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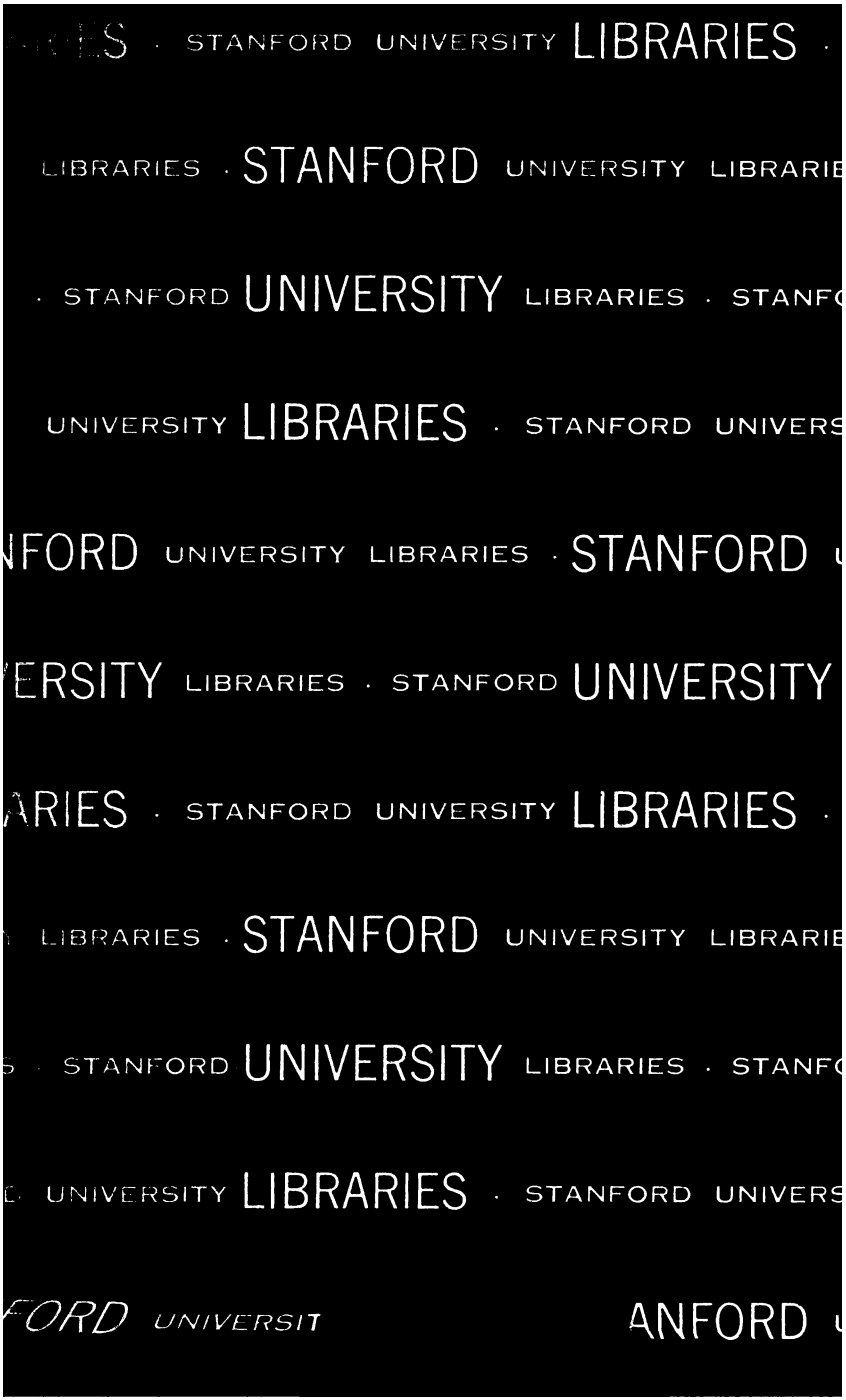
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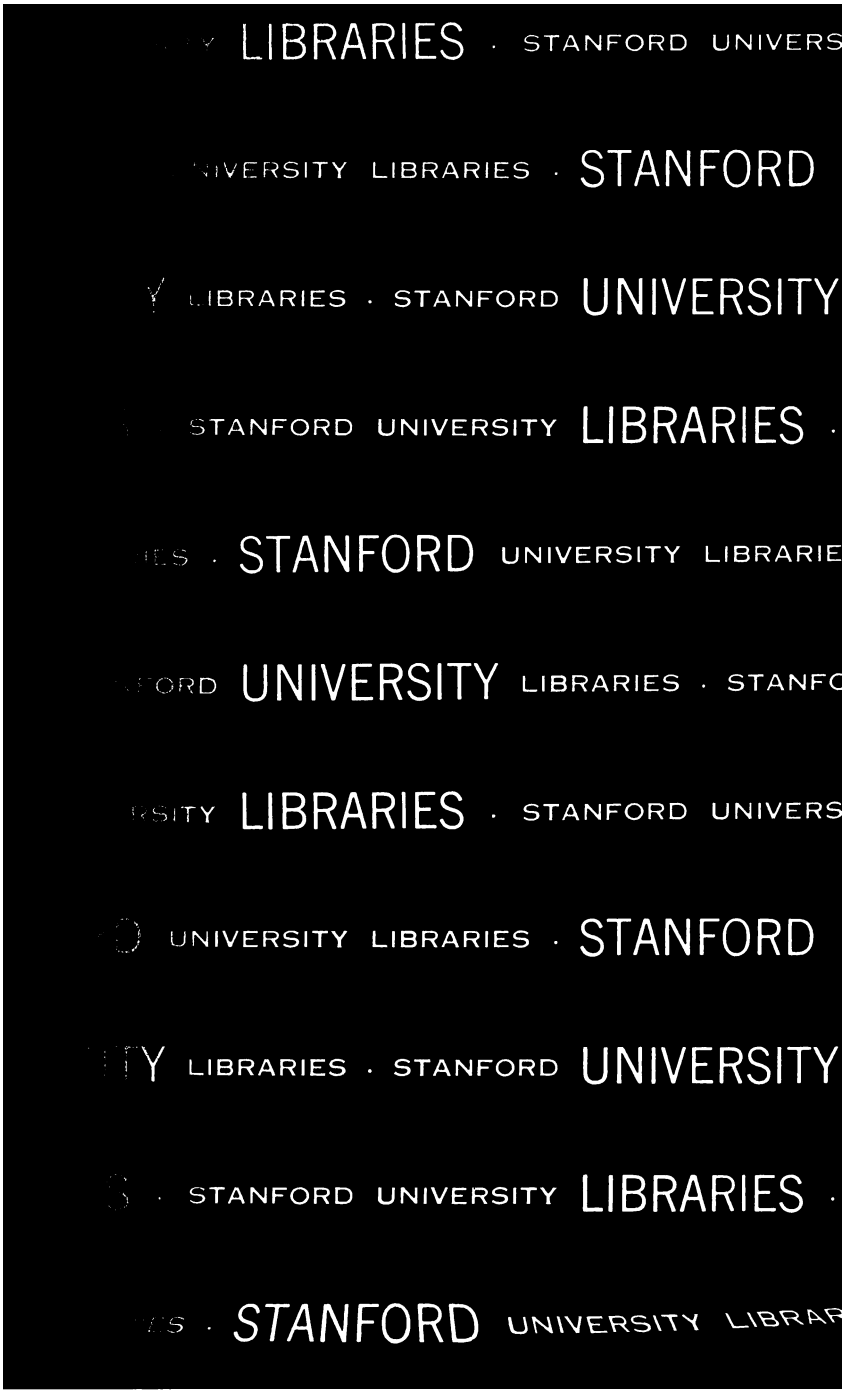
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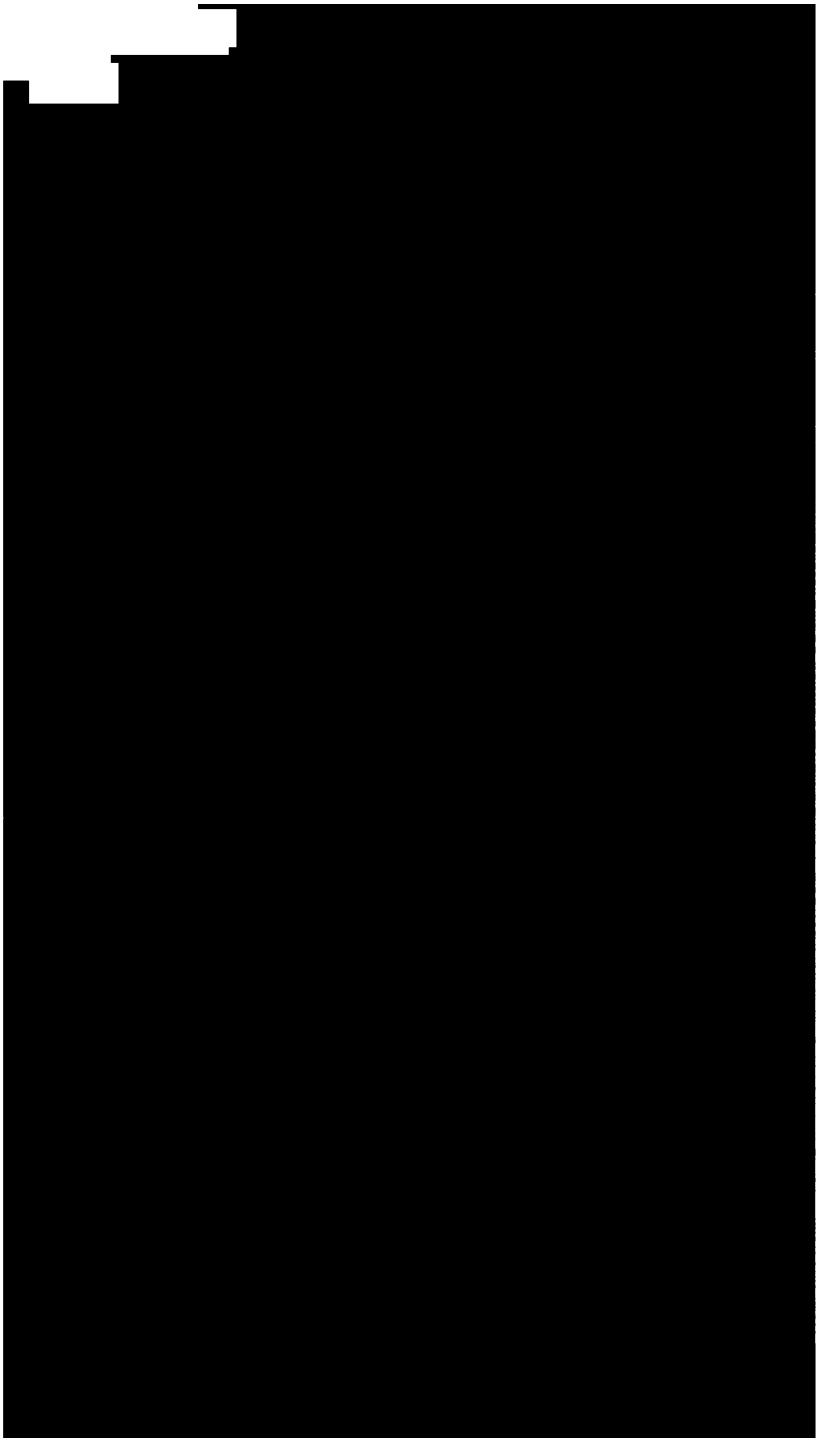
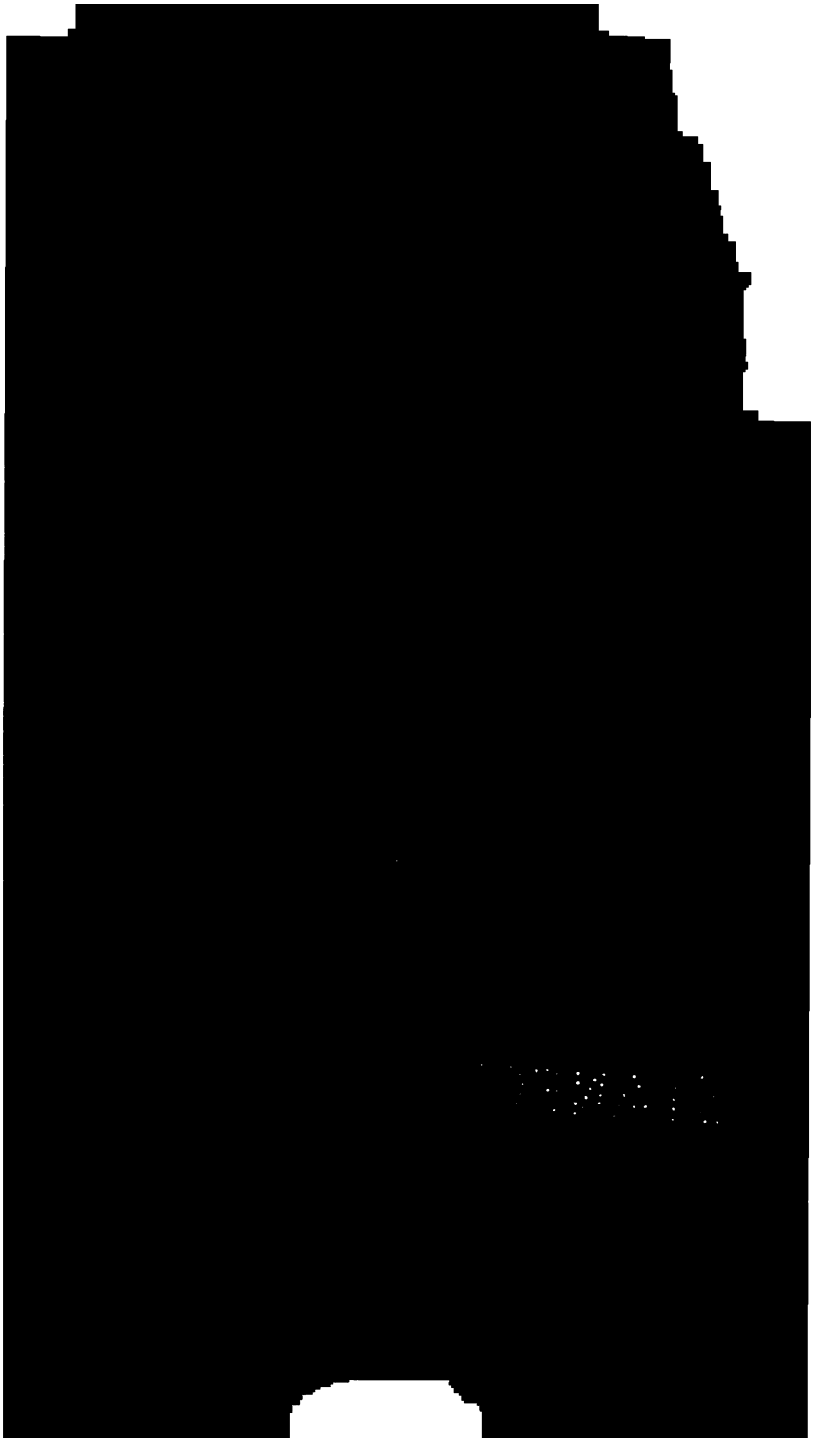
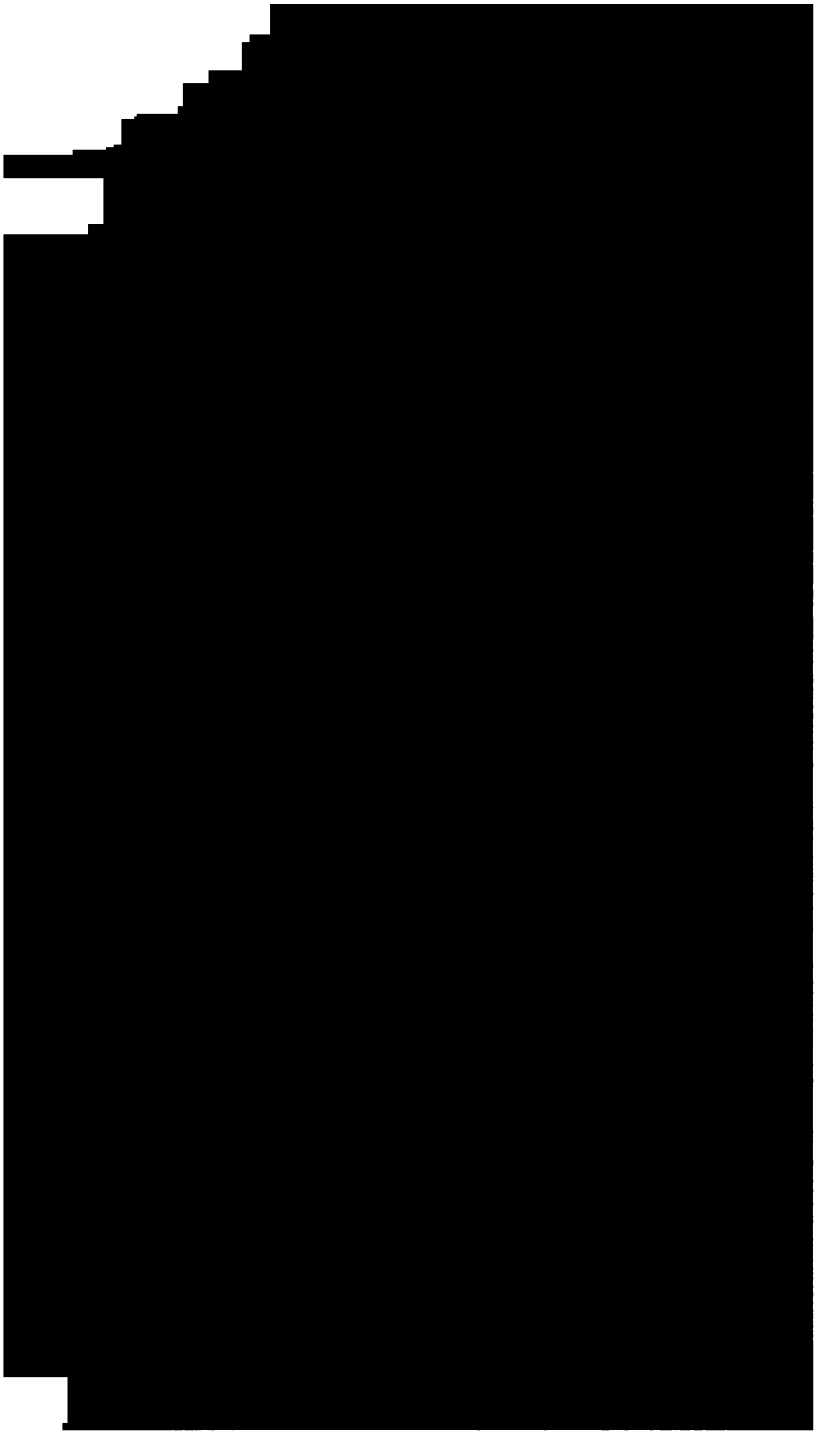






TIME CALCULATIONS AND EXPLANATIONS OF SIGNS AND ABBREVIATIONS.

All the calculations except the Moon's Phases, Tides and seasons are in local time. (See table for its conversion into Standard Time.) The Sun's rising or setting is for the upper limb and corrected for refraction. The signs used are as follows: ☌ conjunction or near approach, at which time a line from the Star through one will also pass through the other; ☍, opposition or 180° from the Sun, at which time the Superior Planets are the brightest; □, quadrature or 90° from Sun; ☉, Sun; ⊕, Earth; ☿, Mercury; ♀, Venus; ♂, Mars; ♃, Jupiter; ♄, Saturn; ♅, Uranus; ☽, Moon lowest; ☽, Moon highest; ☽, Moon generally; ☊, Ascending Node; ☋, Descending Node.

Per.—Perhelion, or nearest to Sun; opposed to Planets.
Aph.—Aphelion, or furthest from Sun; applied to Planets.
Per.—Perigee, or nearest to Earth; applied to the Moon.
So.—Southing, or Meridian Passage.

STANDARD TIME TABLE.

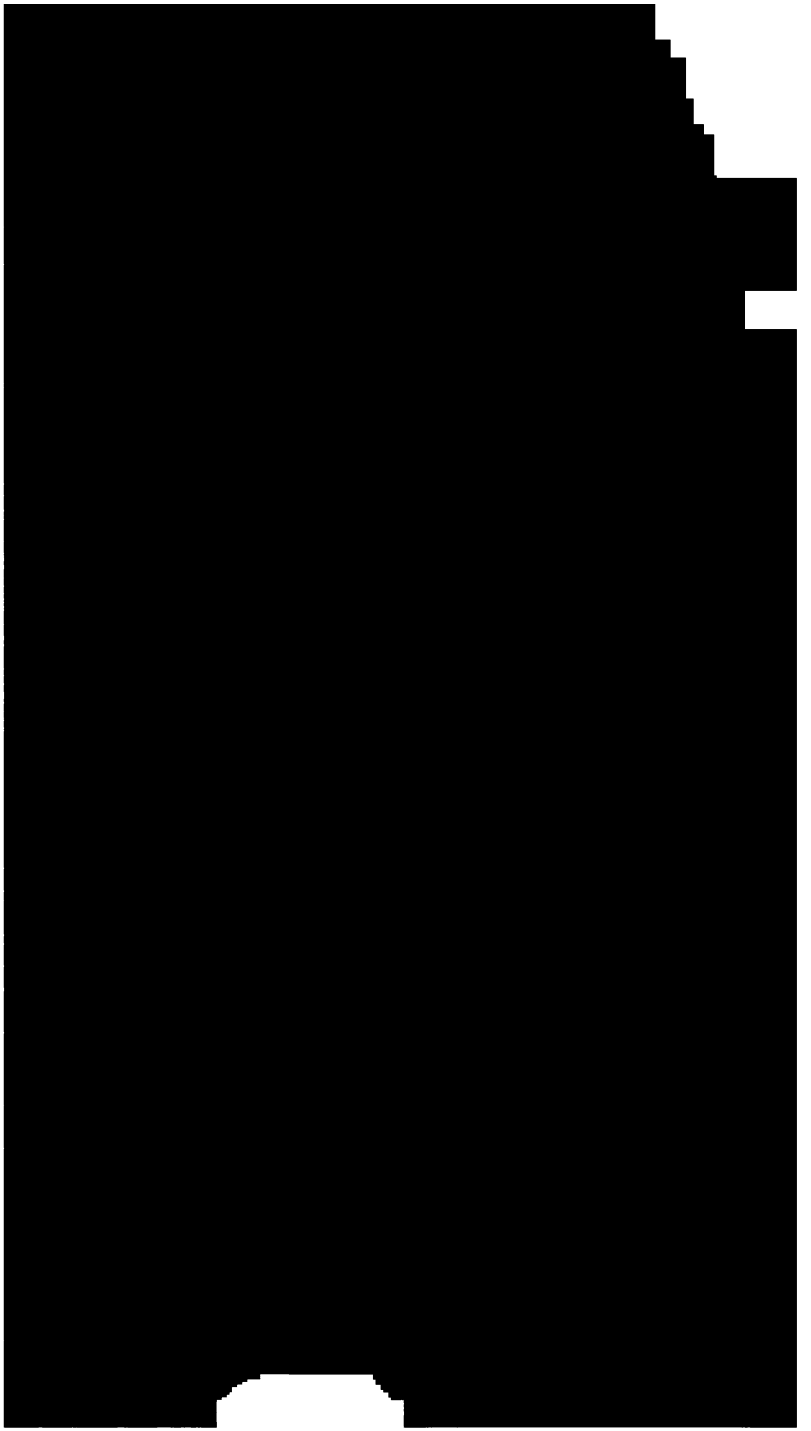
To obtain standard time, add or subtract the figures given to local time.

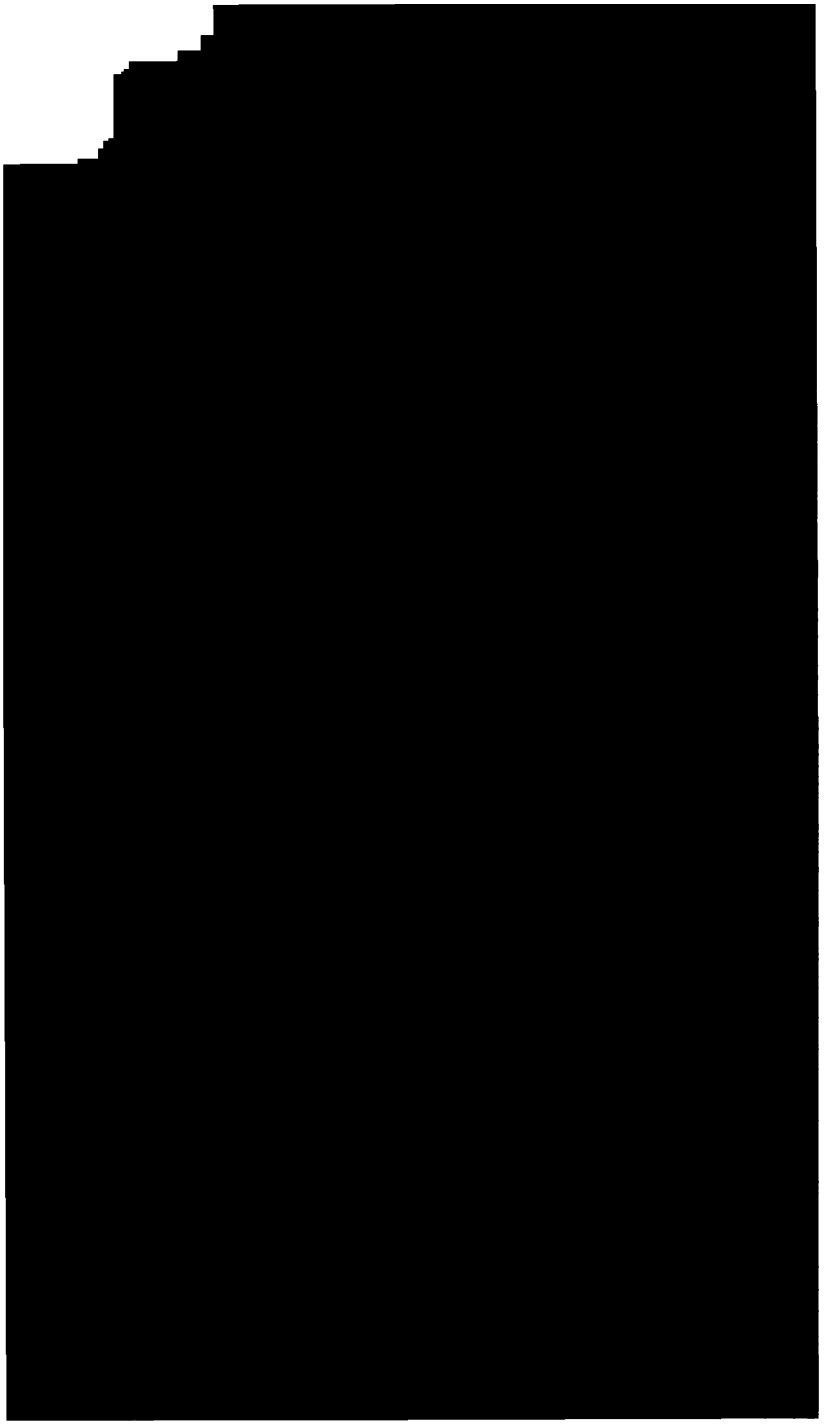
City.	Standard of Division.	Correction. Minutes.	City.	Standard of Division.	C... M...
Albany, N. Y.	Eastern	— 5	Little Rock, Ark.	Central	
Austin, Texas	Central	+ 31	Louisville, Ky.	Central	
Baltimore, Md.	Eastern	+ 0	Lynchburg, Va.	Eastern	
Baton Rouge, La.	Central	+ 4	Memphis, Tenn.	Central	
Bismarck, N. Dak.	Central	+ 43	Milwaukee, Wis.	Central	
Boston, Mass.	Eastern	— 16	Mobile, Ala.	Central	
Buffalo, N. Y.	Eastern	+ 16	Montgomery, Ala.	Central	
Burlington, Iowa	Central	+ 5	Nashville, Tenn.	Central	
Cairo, Ill.	Central	— 3	New Haven, Conn.	Eastern	
Charleston, S. C.	Eastern	+ 20	New Orleans, La.	Central	
Chicago, Ill.	Central	— 10	New York, N. Y.	Eastern	
Cincinnati, Ohio	Central	— 22	Norfolk, Va.	Eastern	
Cleveland, Ohio	Central	— 33	Ogdensburg, N. Y.	Eastern	
Columbia, S. C.	Eastern	+ 24	Omaha, Neb.	Central	
Columbus, Ohio	Central	— 28	Pensacola, Fla.	Central	
Dayton, Ohio	Central	— 23	Philadelphia, Pa.	Eastern	
Denver, Col.	Mountain	0	Pittsburg, Pa.	Eastern	
Des Moines, Iowa	Central	+ 14	Portland, Me.	Eastern	
Detroit, Mich.	Central	— 28	Providence, R. I.	Eastern	
Dubuque, Iowa	Central	+ 3	Quincy, Ill.	Central	
Duluth, Minn.	Central	+ 9	Raleigh, N. C.	Eastern	
Erie, Pa.	Central	— 39	Richmond, Va.	Eastern	
Evansville, Ind.	Central	— 10	Rochester, N. Y.	Eastern	
Ft. Gibson, Cher. N.	Central	+ 21	Rock Island, Ill.	Central	
Fort Smith, Ark.	Central	+ 19	San Francisco, Cal.	Pacific	
Fort Wayne, Ind.	Central	— 20	Santa Fe, N. M.	Mountain	
Galena, Ill.	Central	+ 2	Savannah, Ga.	Central	
Galveston, Texas	Central	+ 19	Shreveport, La.	Central	
Grand Haven, Mich.	Central	— 15	Springfield, Ill.	Central	
Harrisburg, Pa.	Eastern	+ 7	St. Joseph, Mo.	Central	
Houston, Texas	Central	+ 21	St. Louis, Mo.	Central	
Huntsville, Ala.	Central	— 12	St. Paul, Minn.	Central	
Indianapolis, Ind.	Central	— 16	Superior City, Wis.	Central	
Jackson, Miss.	Central	+ 1	Syracuse, N. Y.	Eastern	
Jacksonville, Fla.	Central	— 33	Toledo, Ohio.	Central	
Janesville, Wis.	Central	— 4	Trenton, N. J.	Eastern	
Jefferson City, Mo.	Central	+ 9	Utica, N. Y.	Eastern	
Kansas City, Mo.	Central	+ 19	Washington, D. C.	Eastern	
Keokuk, Iowa	Central	+ 6	Wheeling, W. Va.	Eastern	
Knoxville, Tenn.	Central	— 24	Wilmington, Del.	Eastern	
La Crosse, Wis.	Central	+ 5	Wilmington, N. C.	Eastern	
Lawrence, Kan.	Central	+ 21	Yankton, S. Dak.	Central	
Lexington, Ky.	Central	— 23			

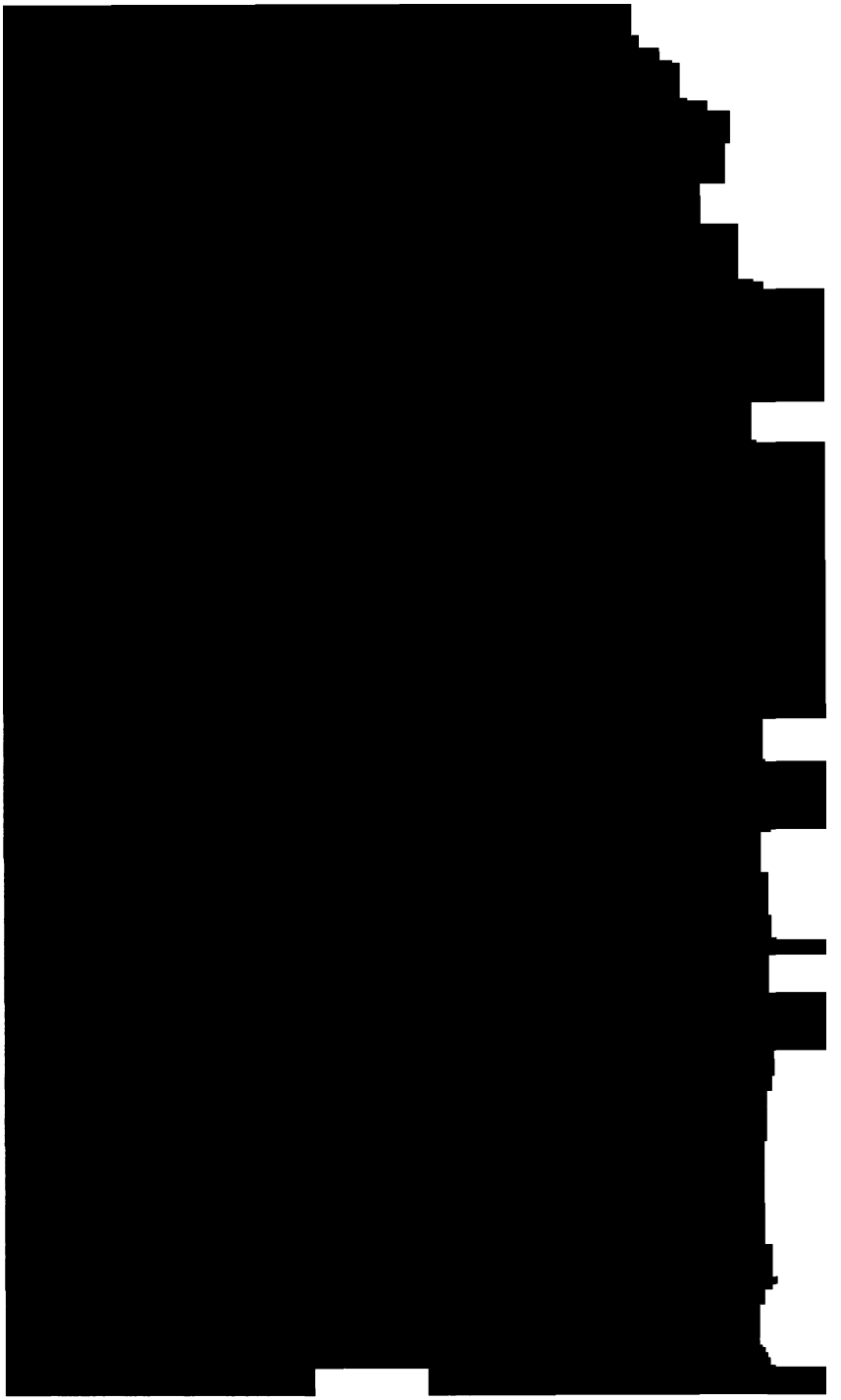
TIME STANDARDS.

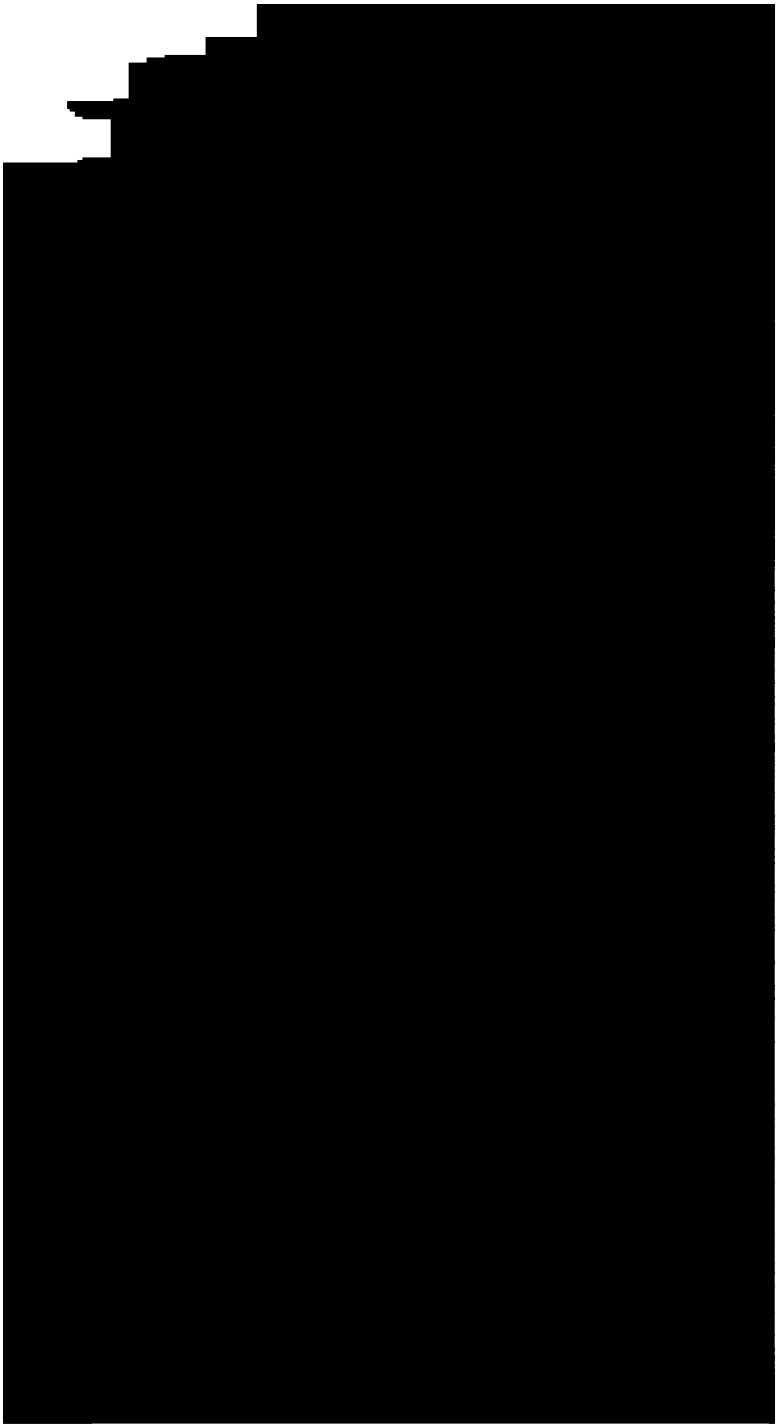
The following is the table of times, based upon the meridian used by the ... States and Canada:

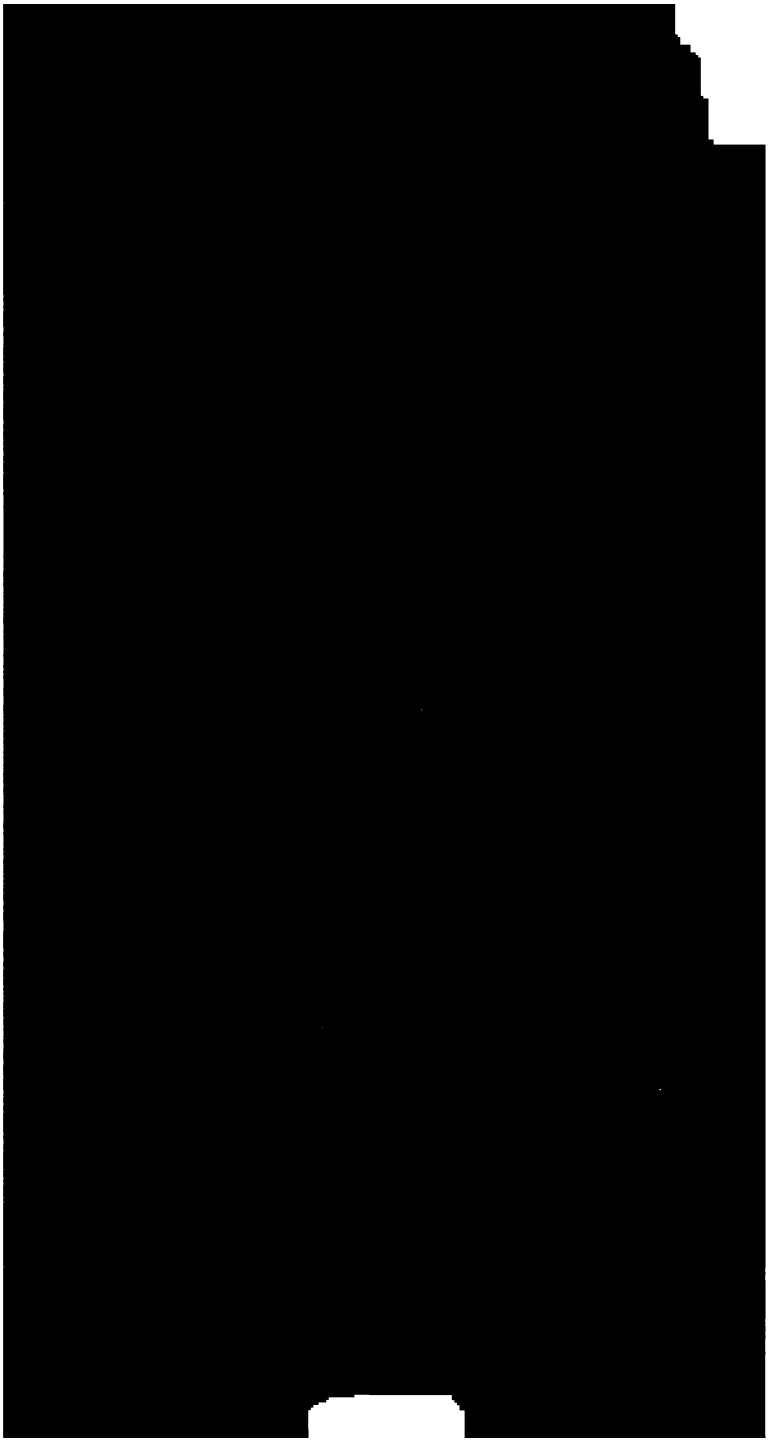
Name of Time.	Degree.	Central Meridian. From Greenwich.	Nearest Place.
Intercolonial	60	4 hours west.	About 3½° east of Halifax, N. S.
Eastern	75	5 hours west.	Between New York and Philadelphia.
Central	90	6 hours west.	St. Louis and New Orleans.
Mountain	105	7 hours west.	Denver, Col.
Pacific	120	8 hours west.	1½° east of Sacramento, Cal.
Sitka	135	9 hours west.	¼° east of Sitka, Alaska.
Tahiti	150	10 hours west.	½° west of the island of Tahiti.
Hawaiian	157½	10 h. 31 m. west.	Near centre of Molokai.

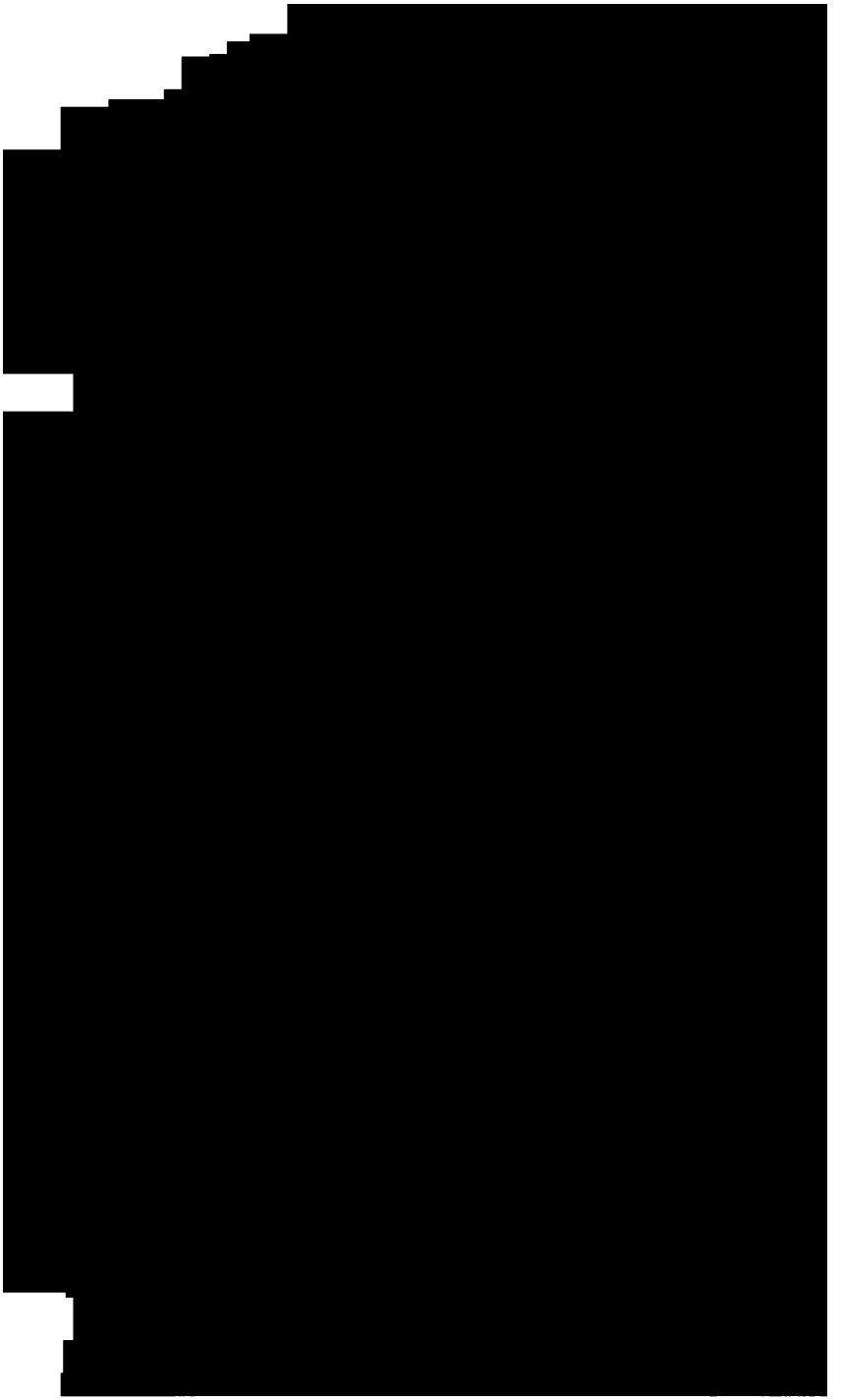


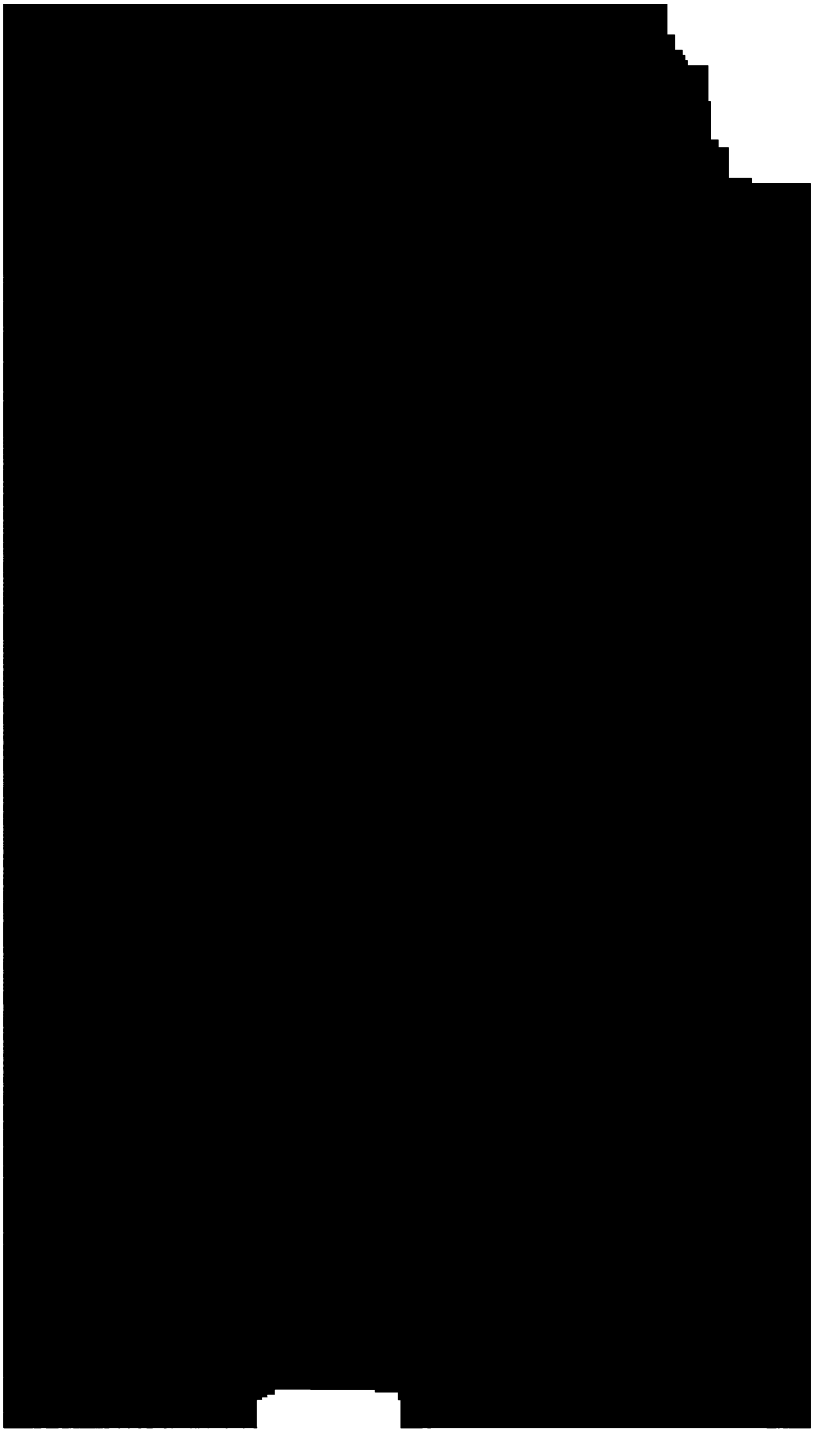


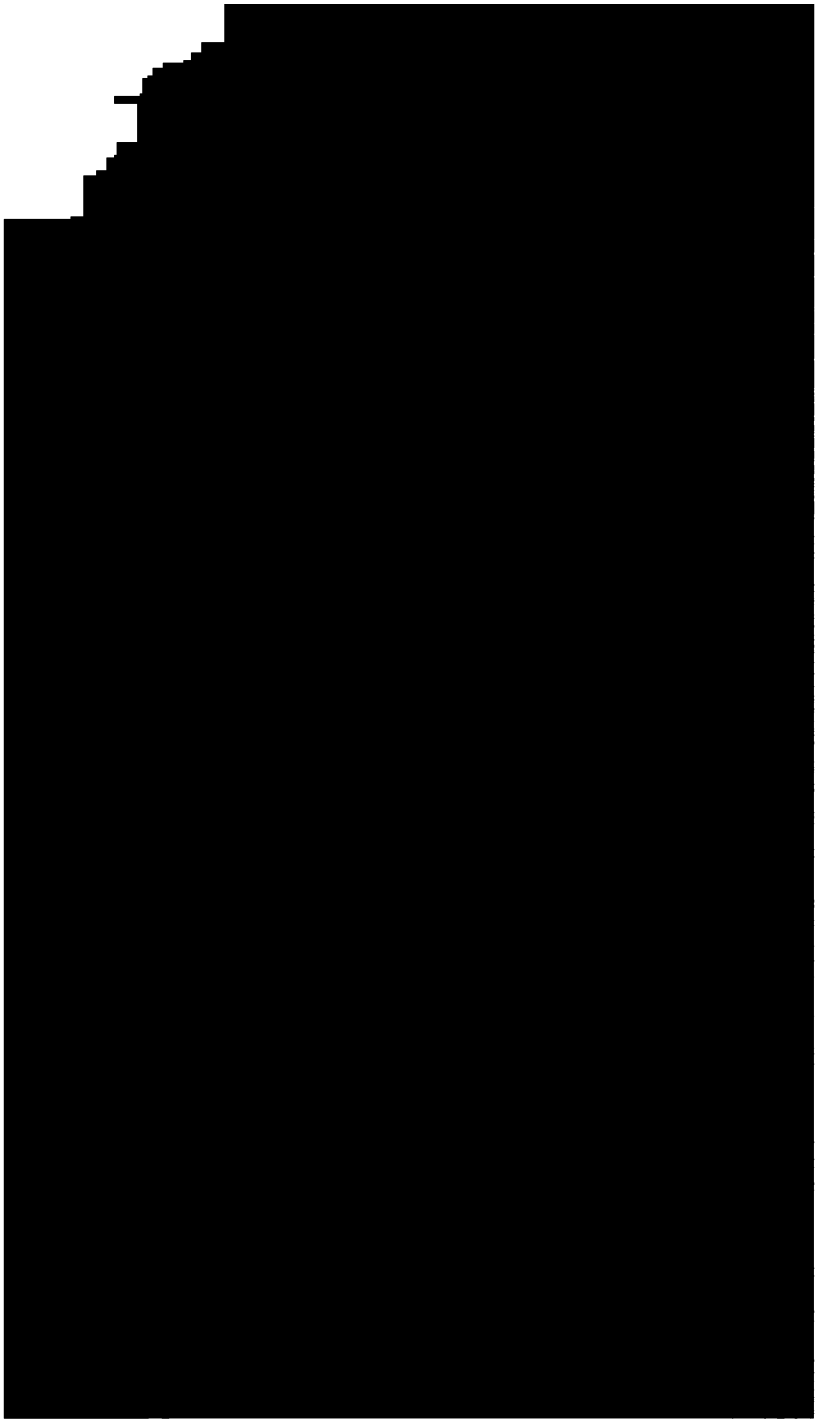


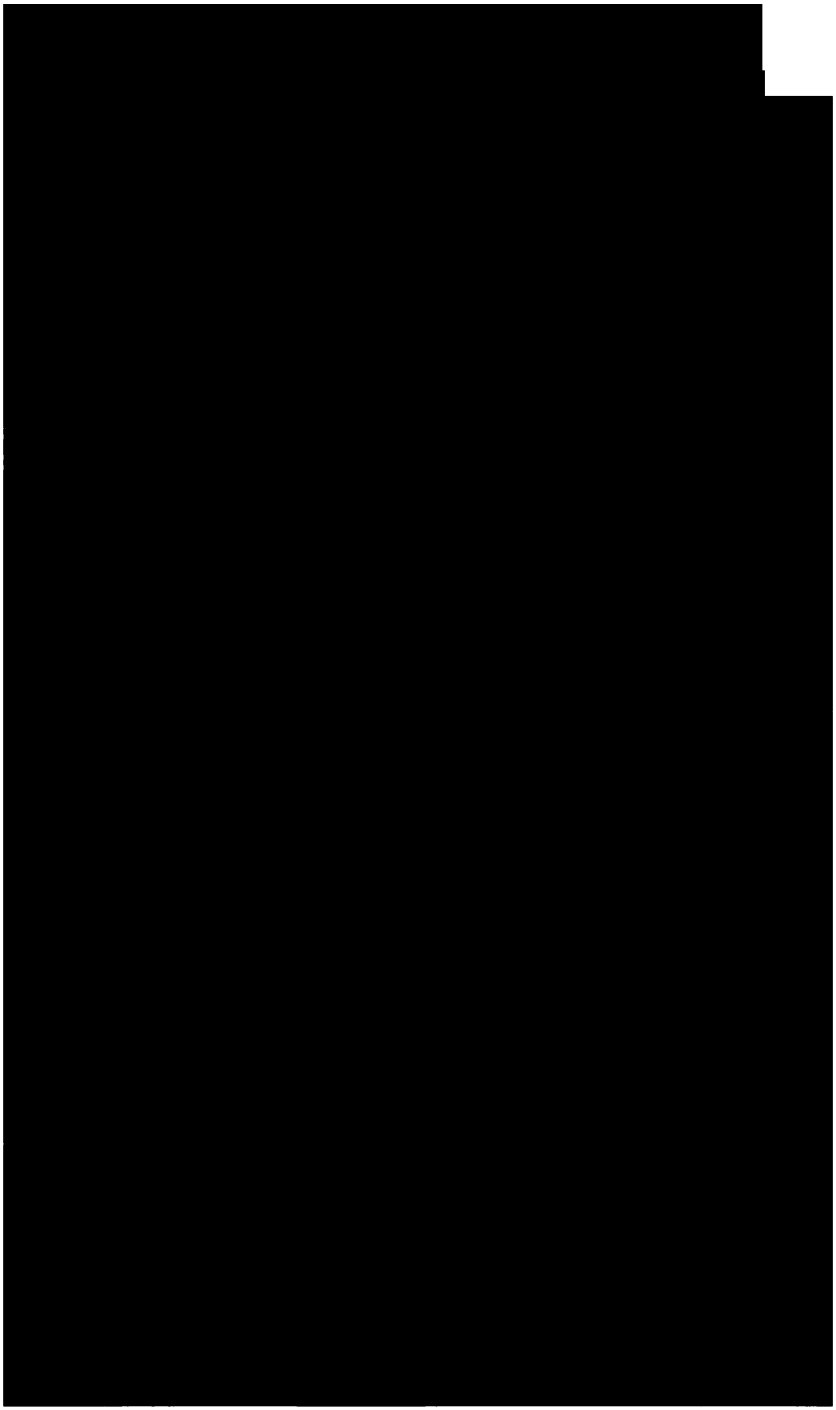


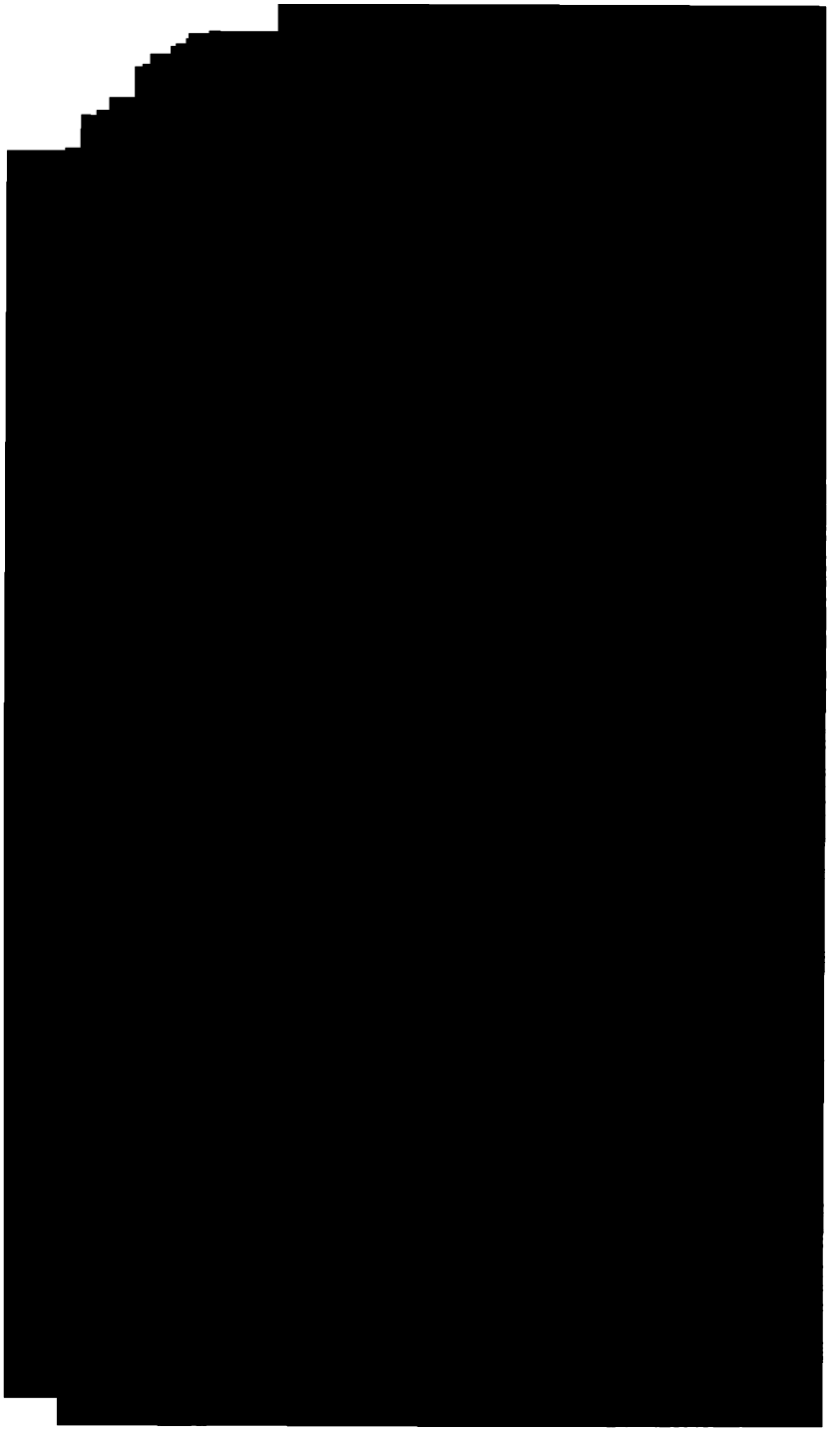


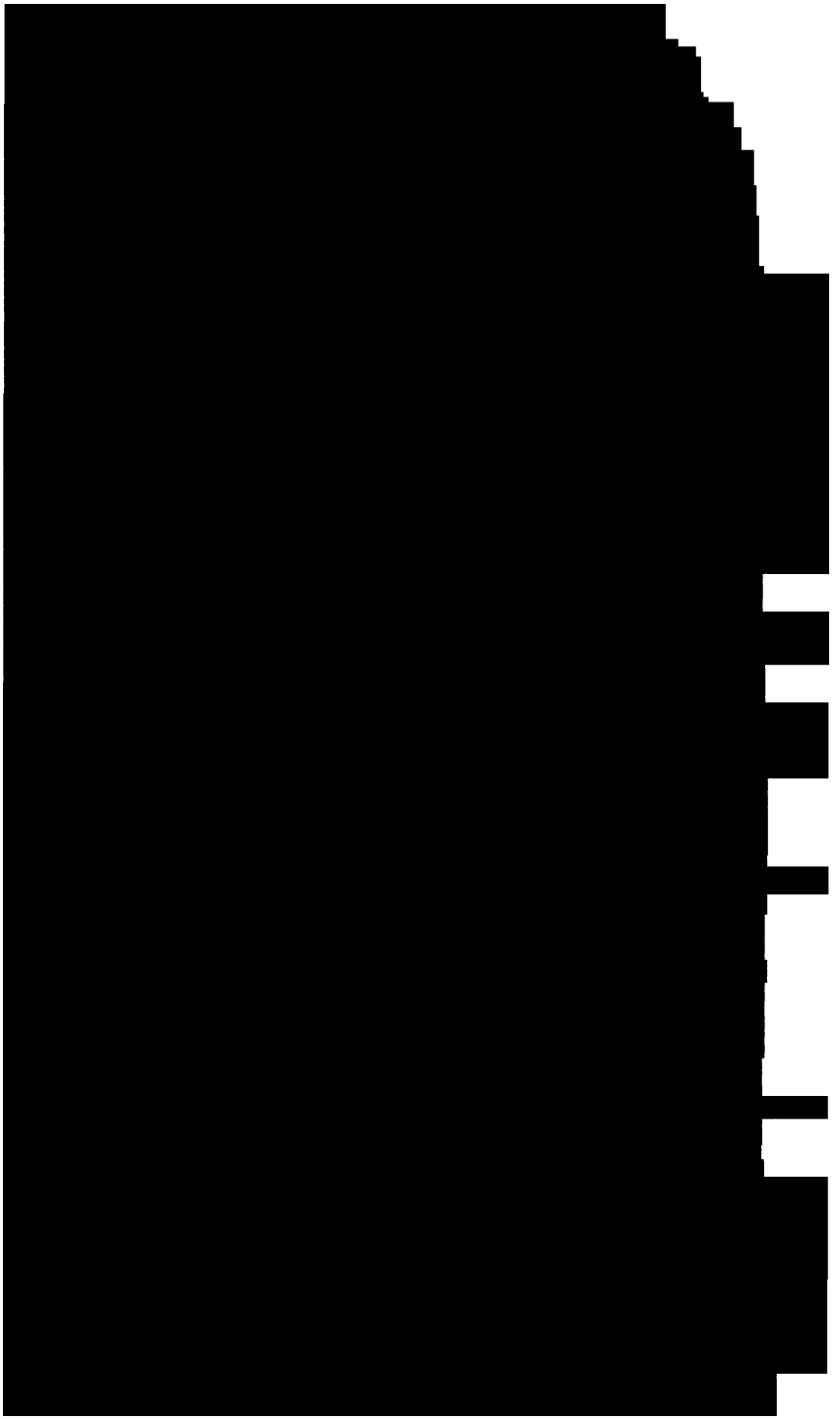


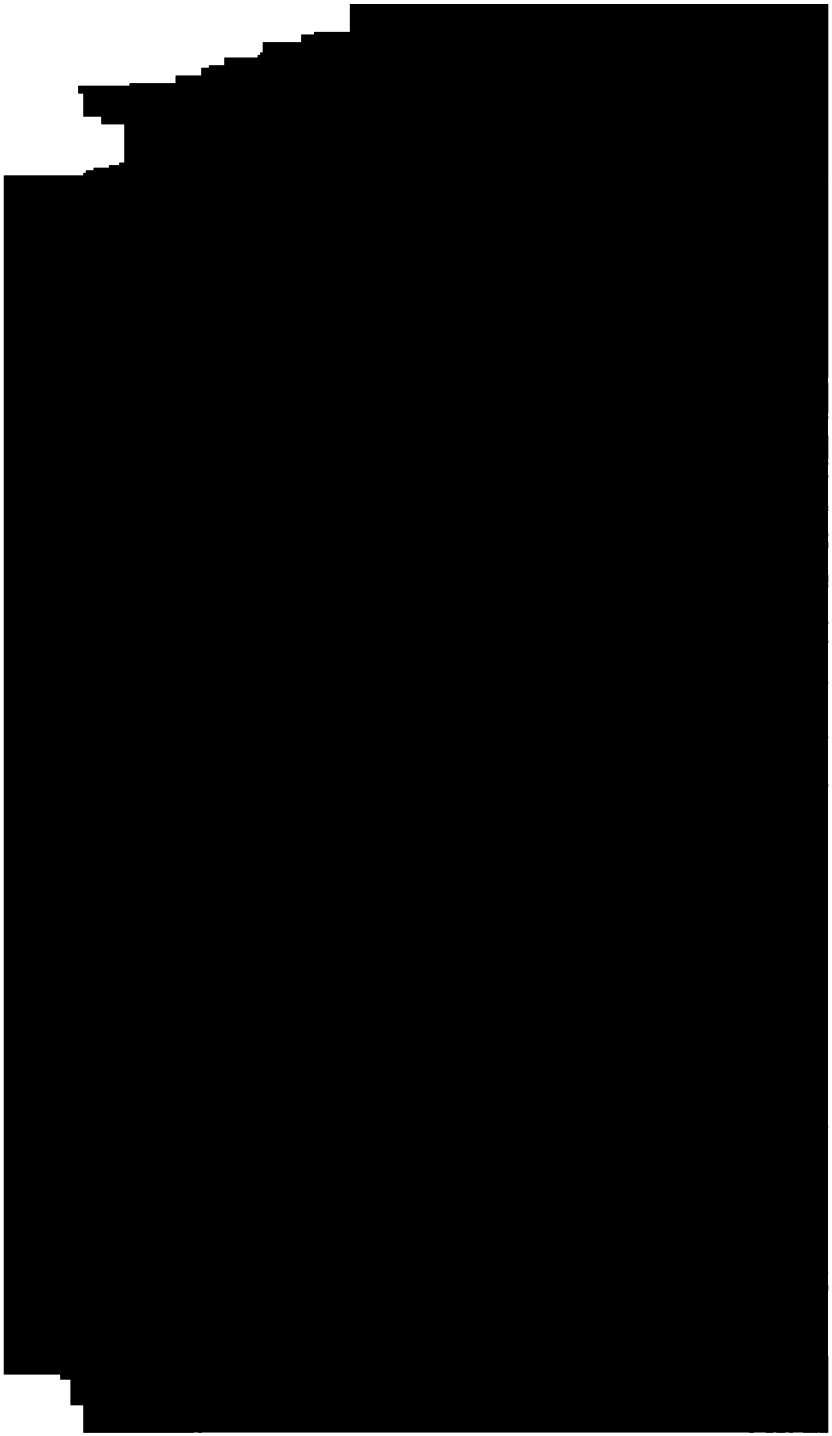


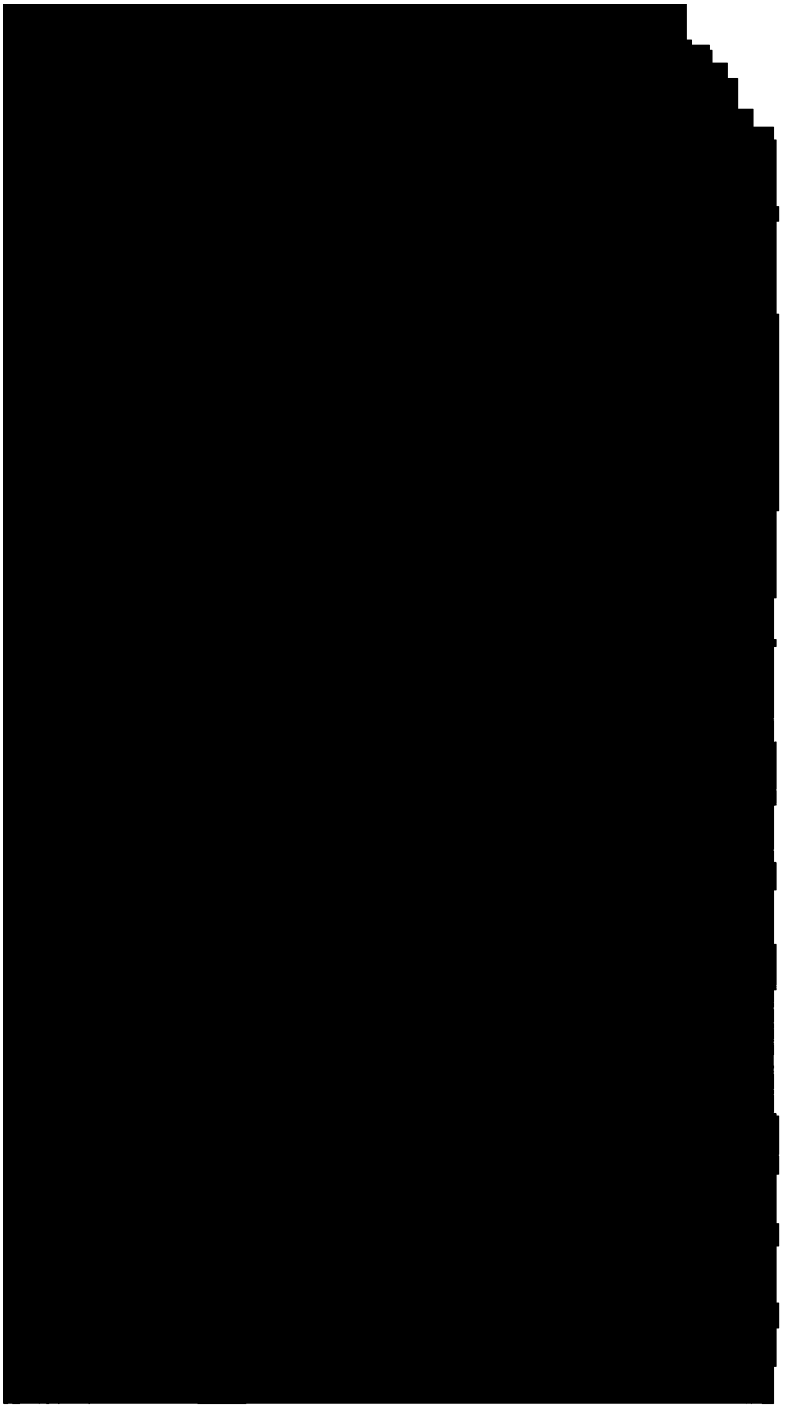


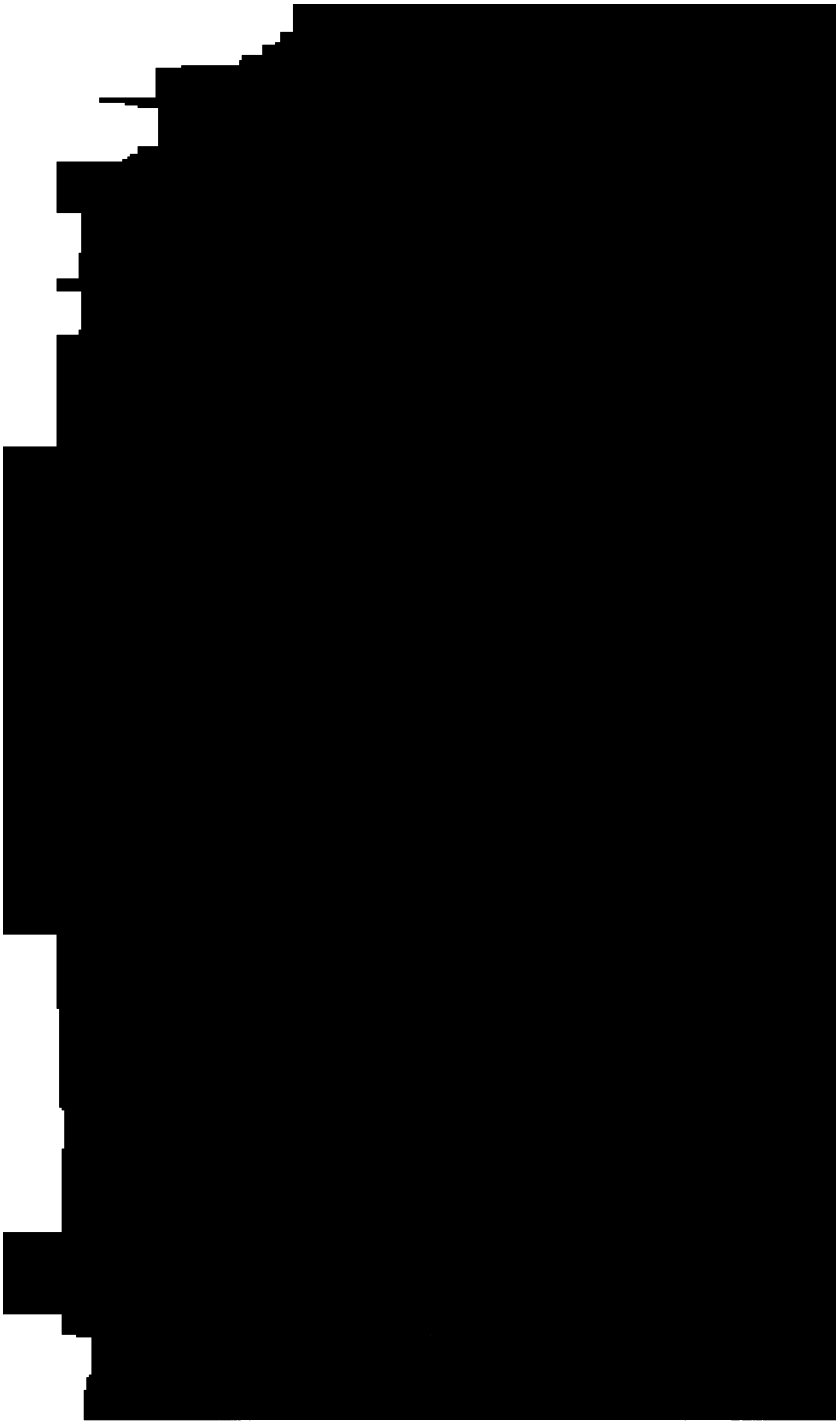


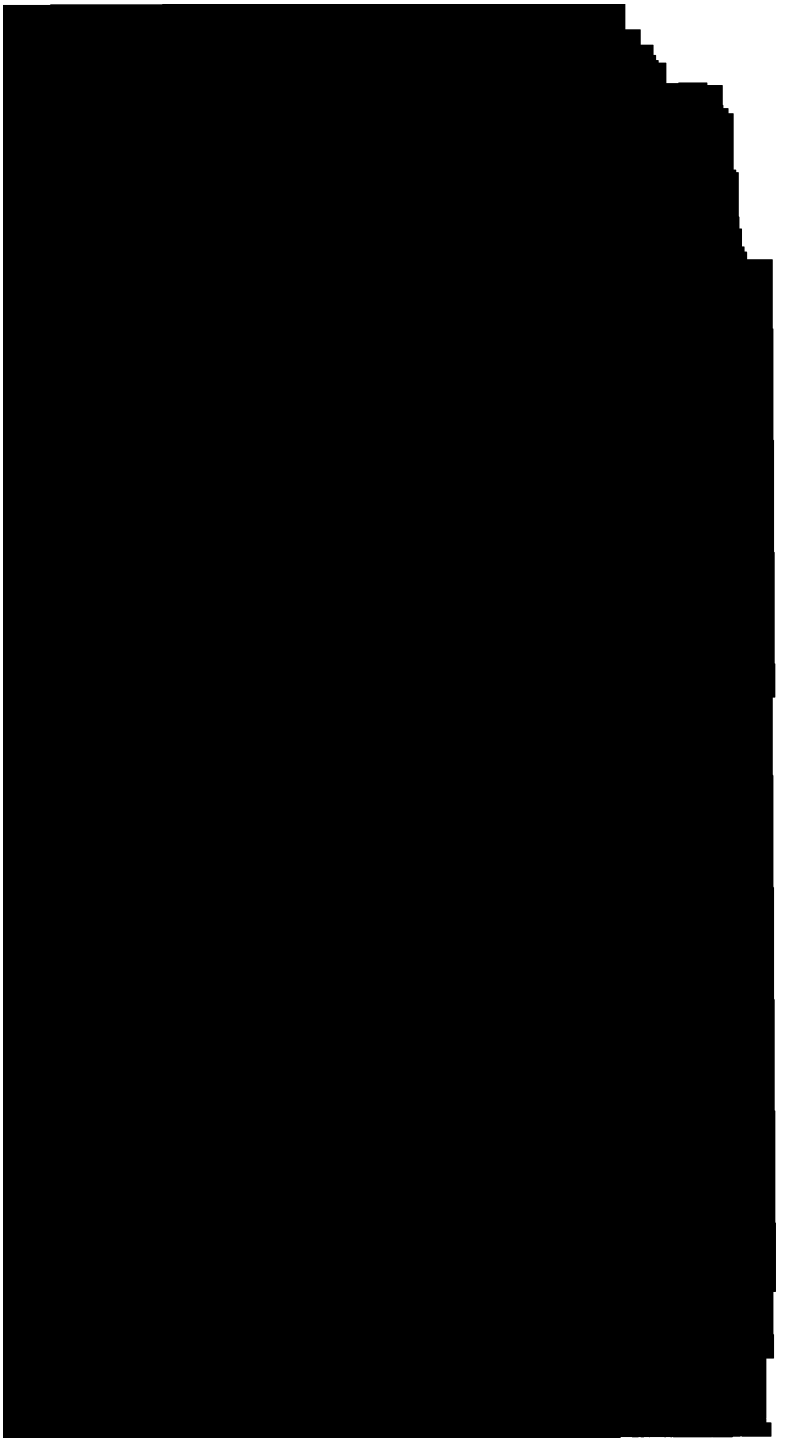


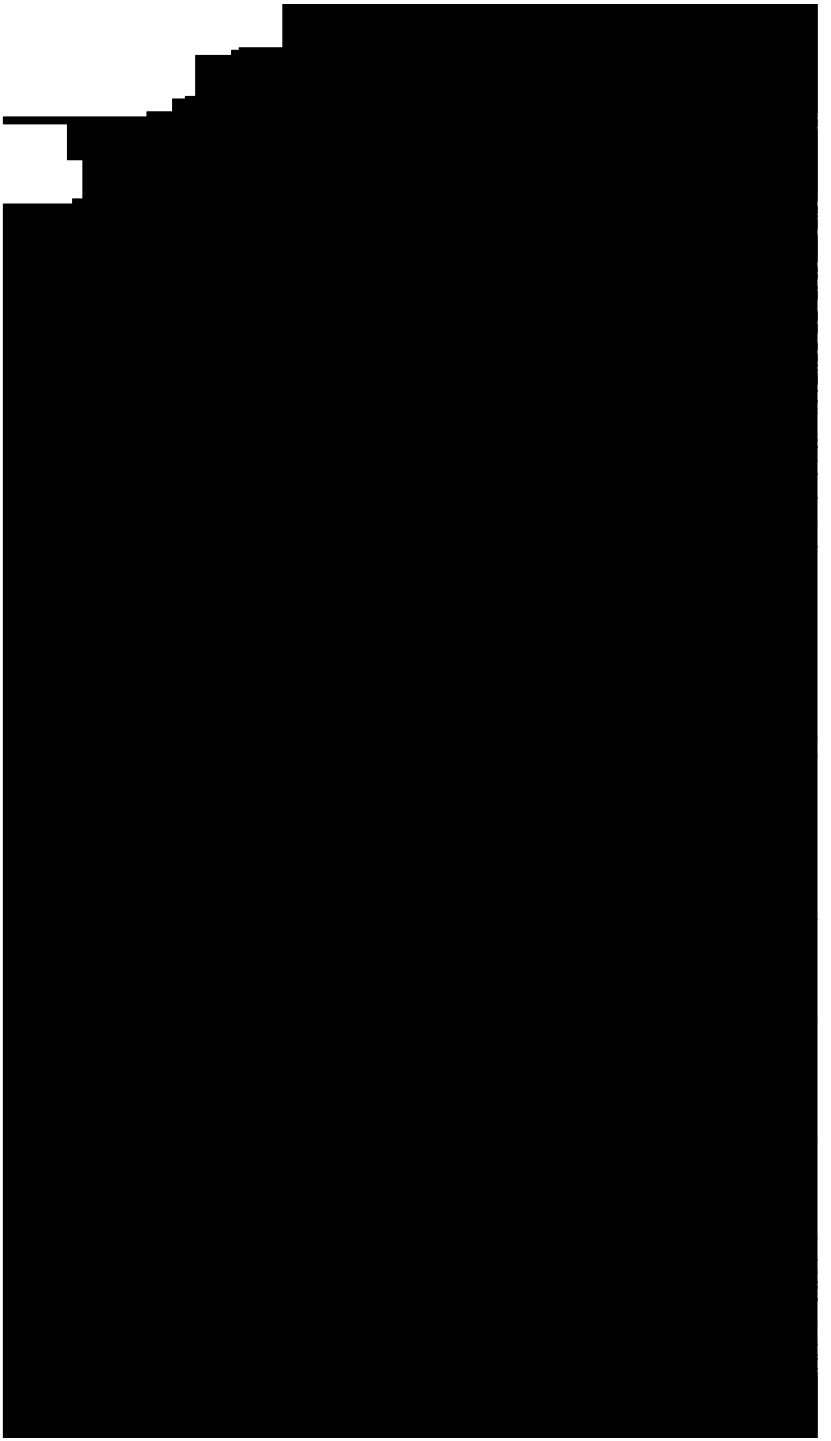


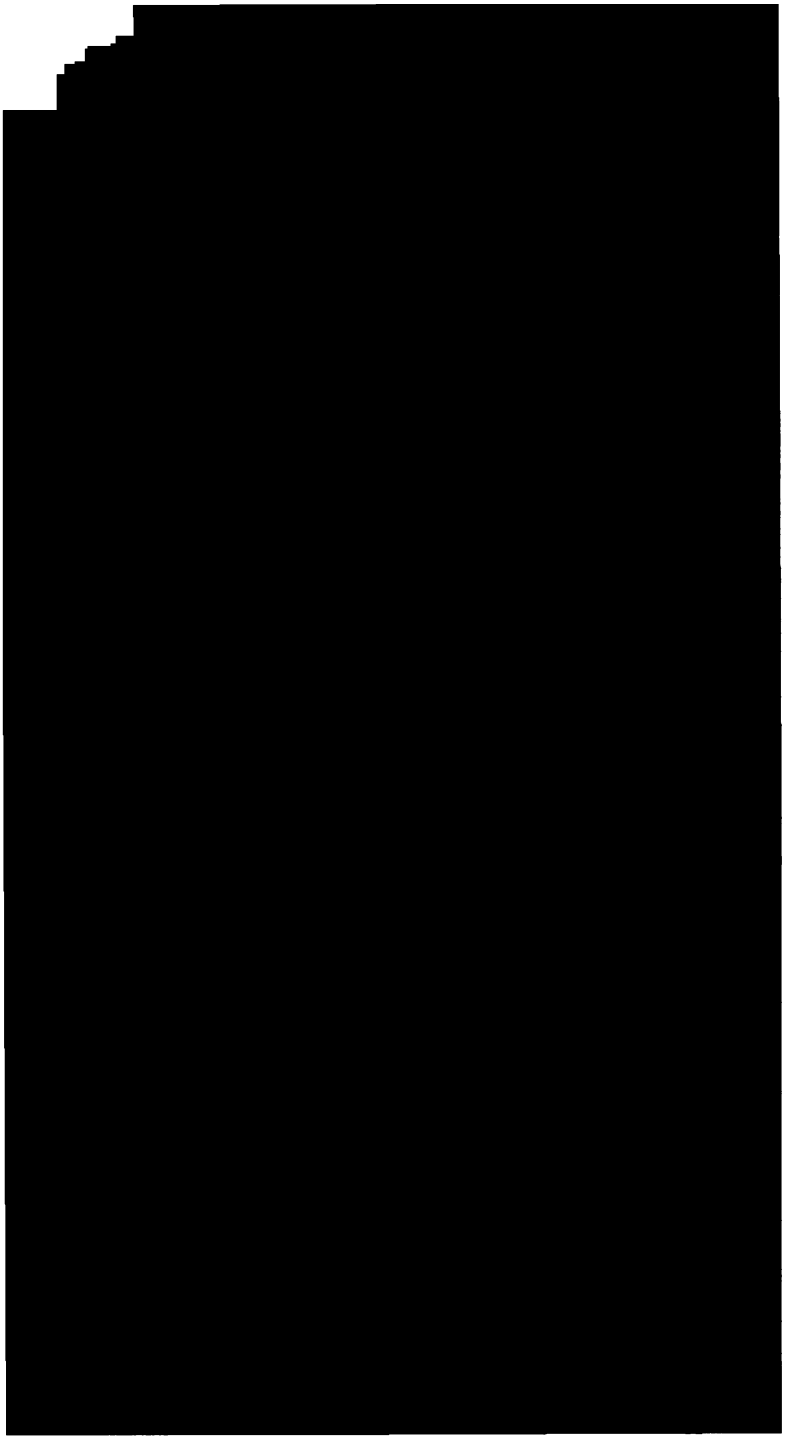


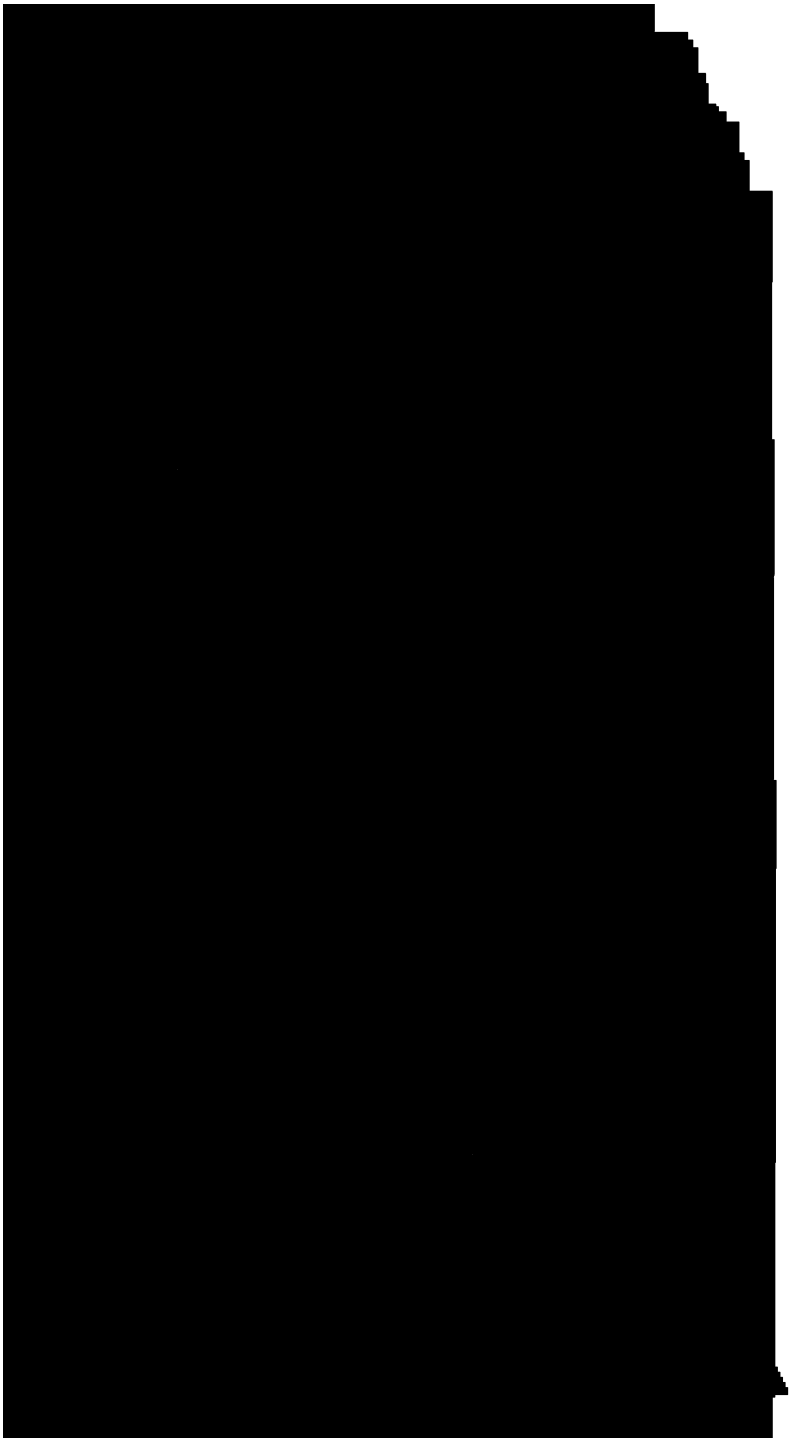


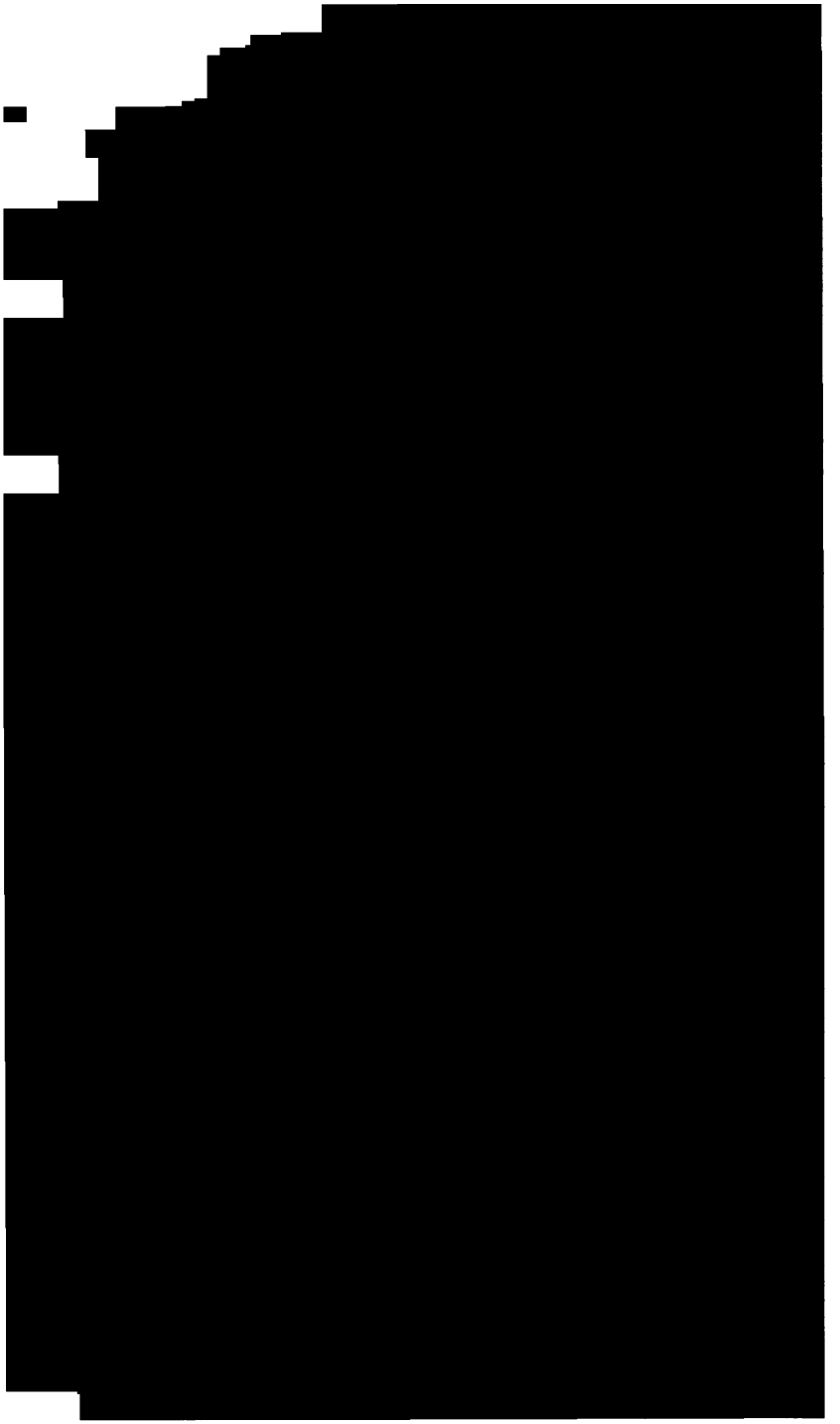


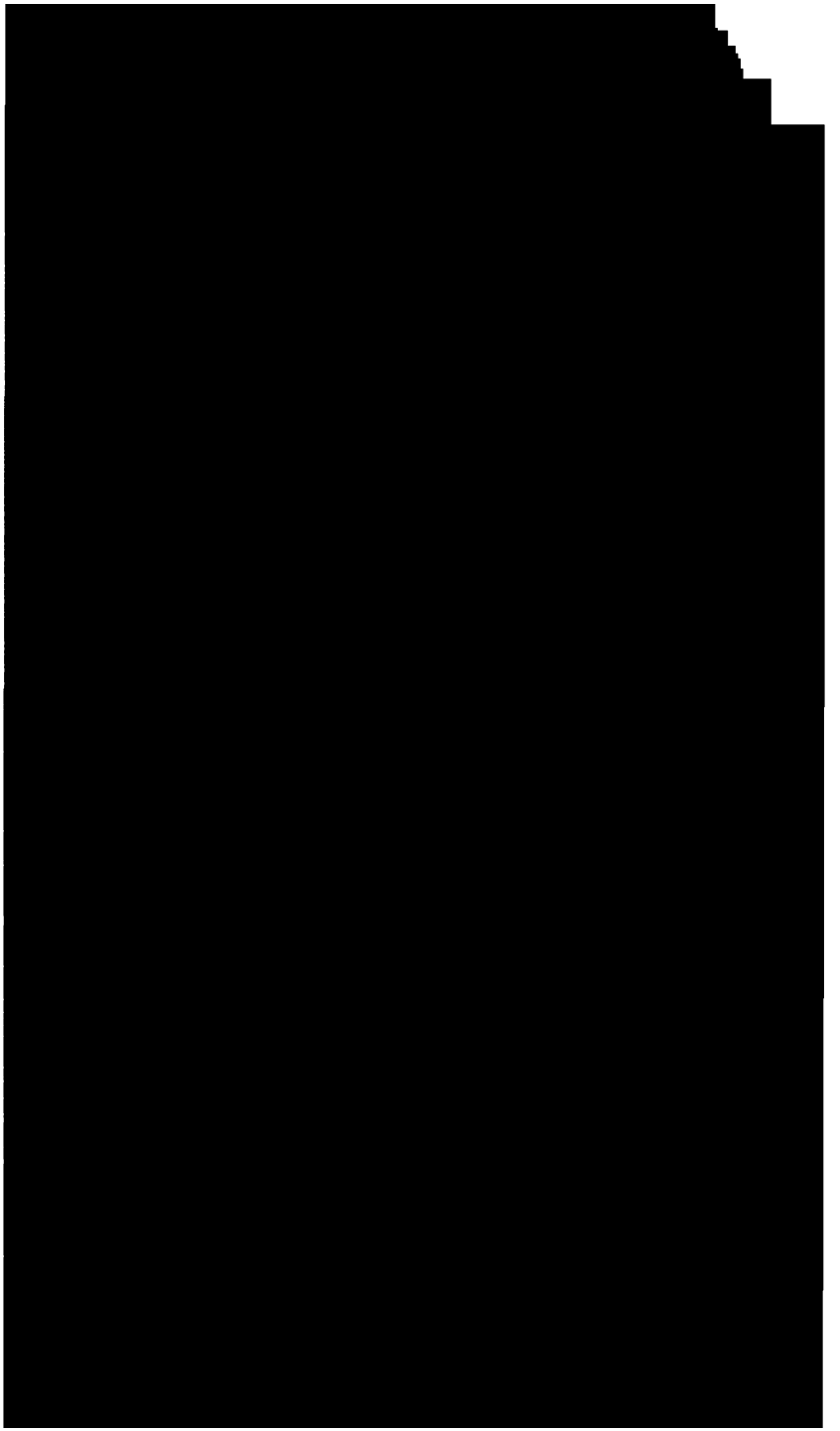


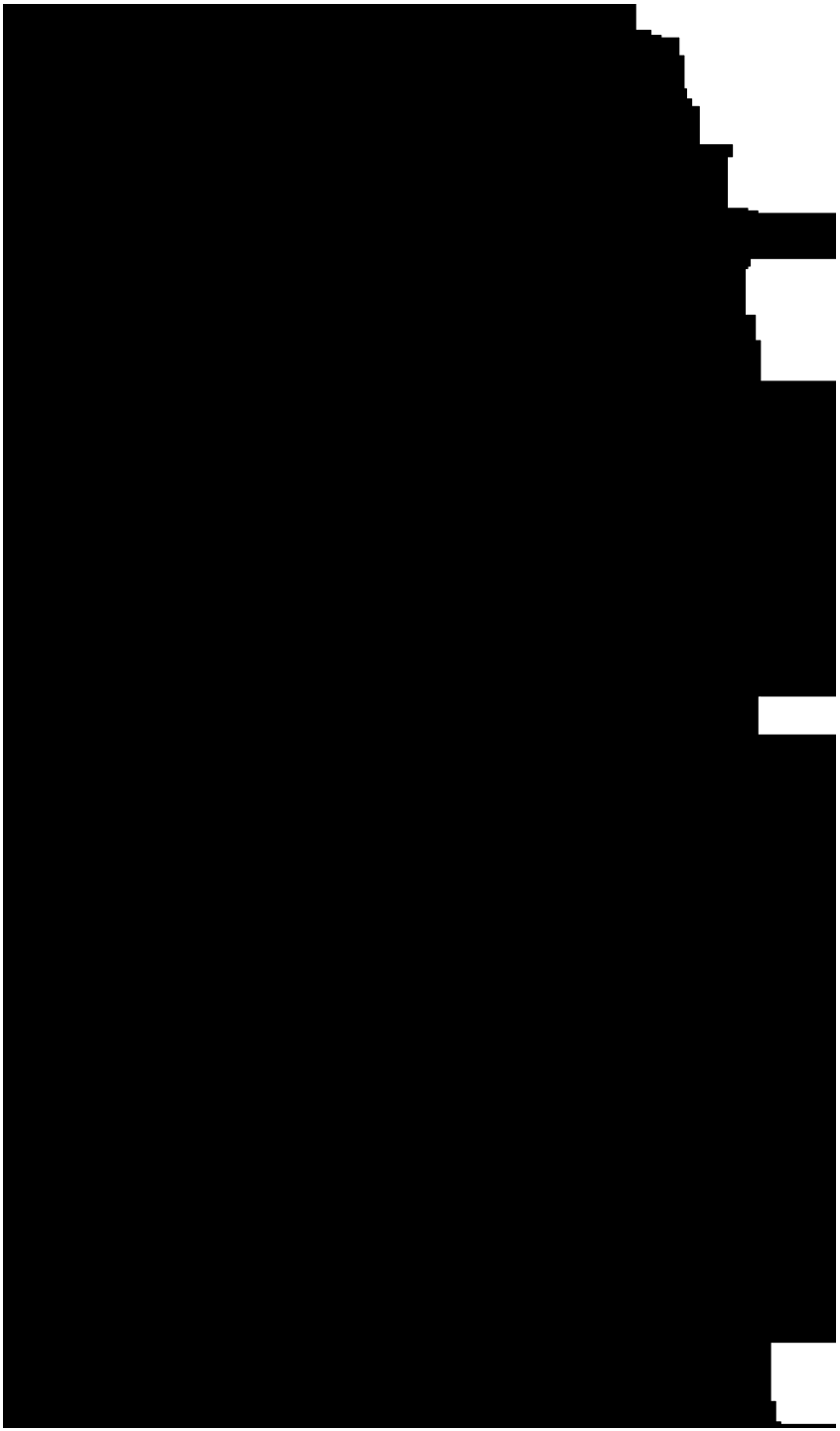


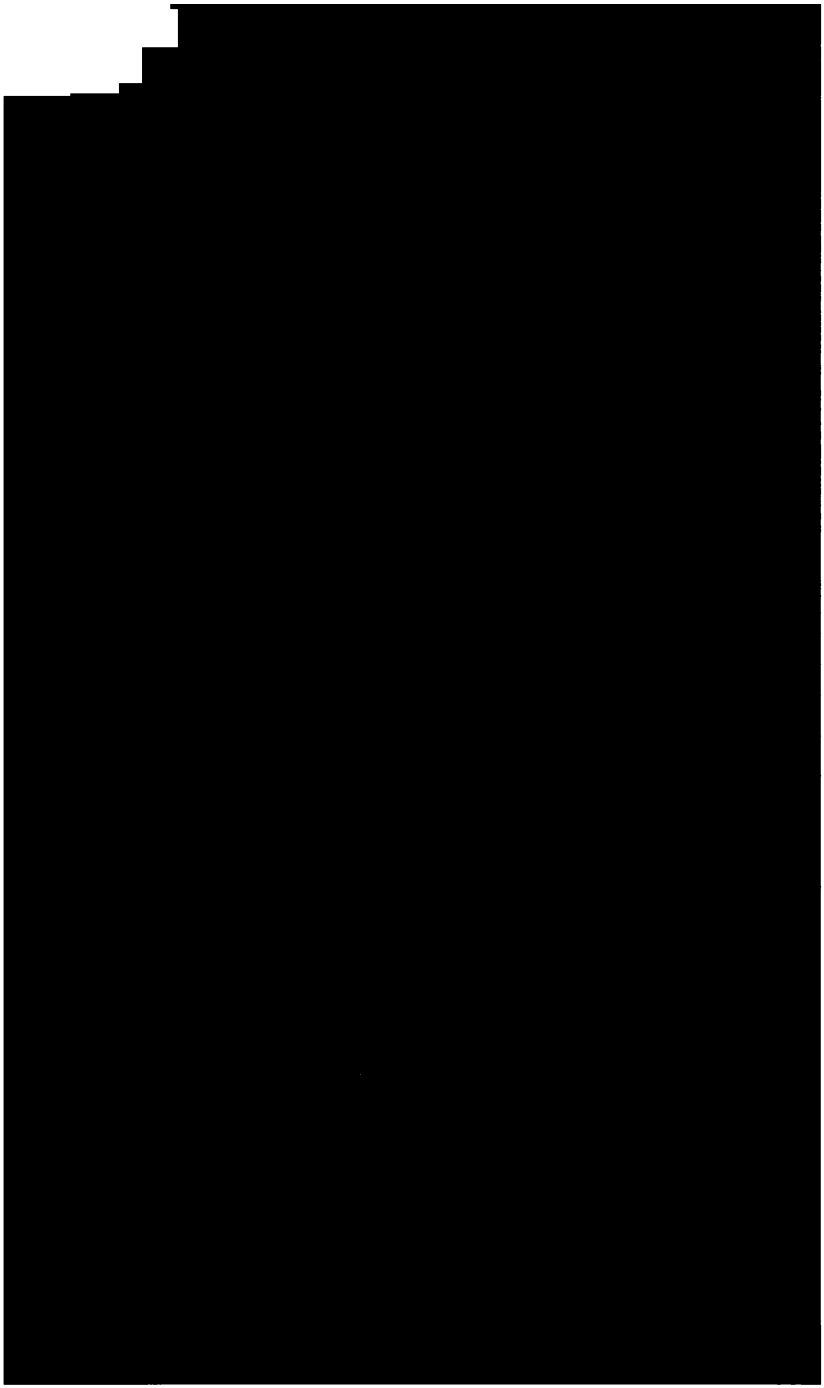


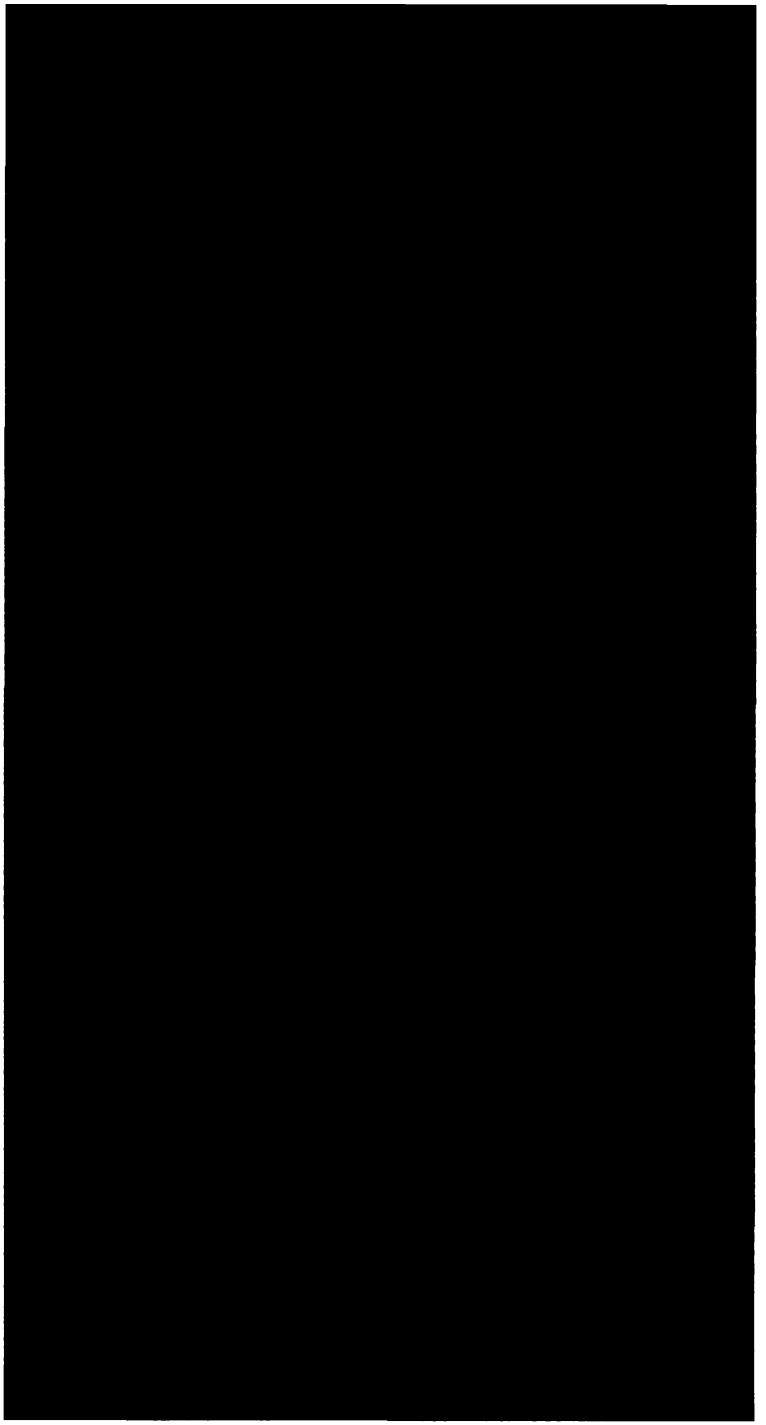


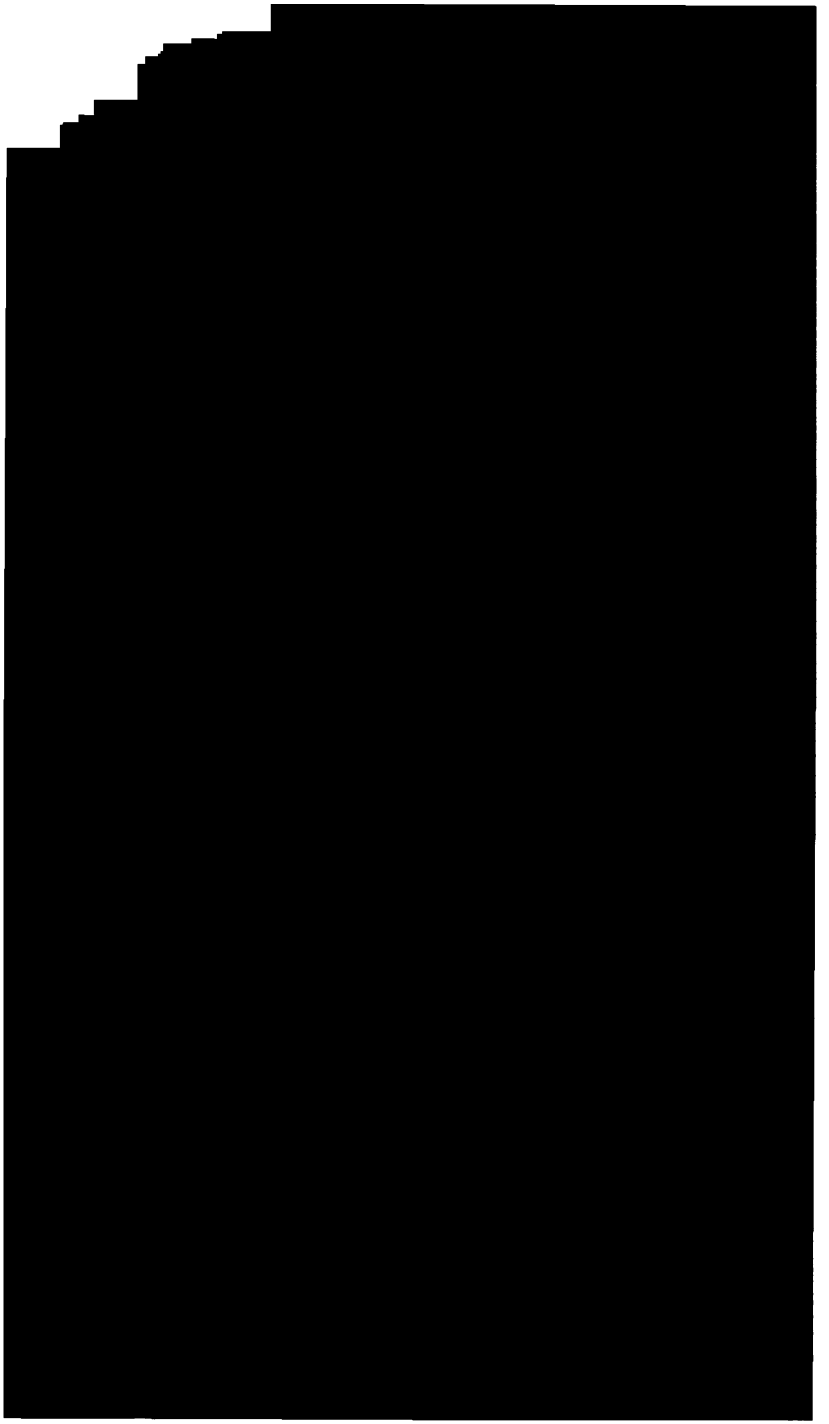


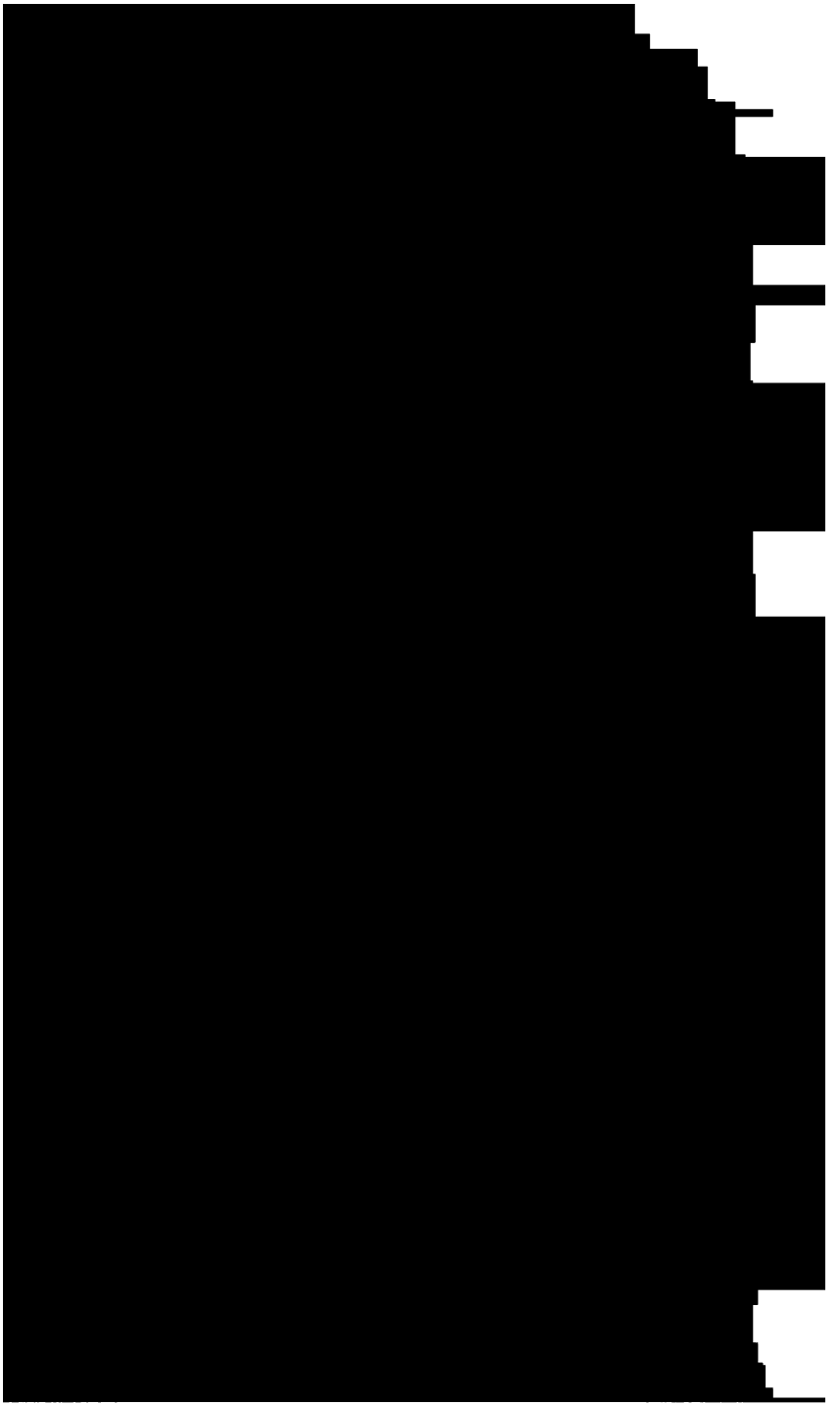


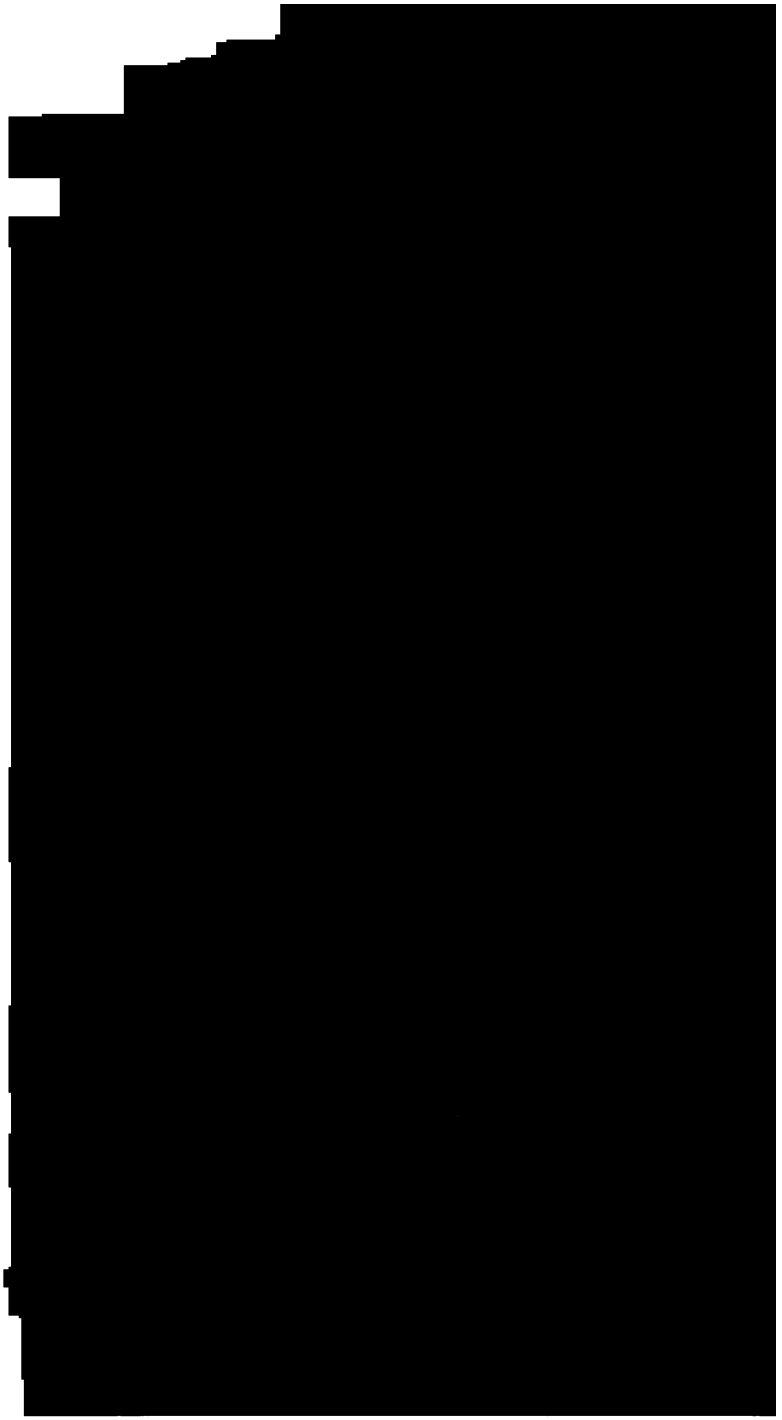


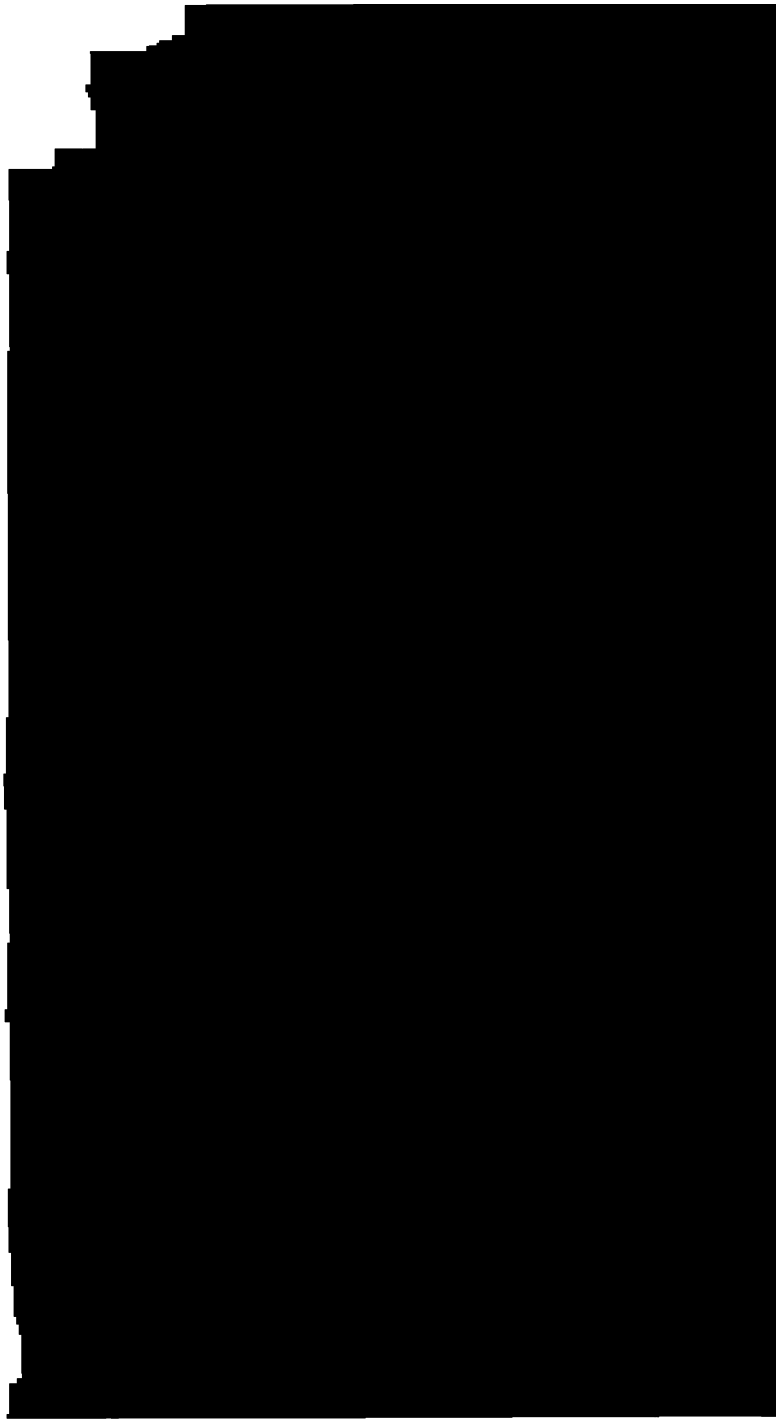


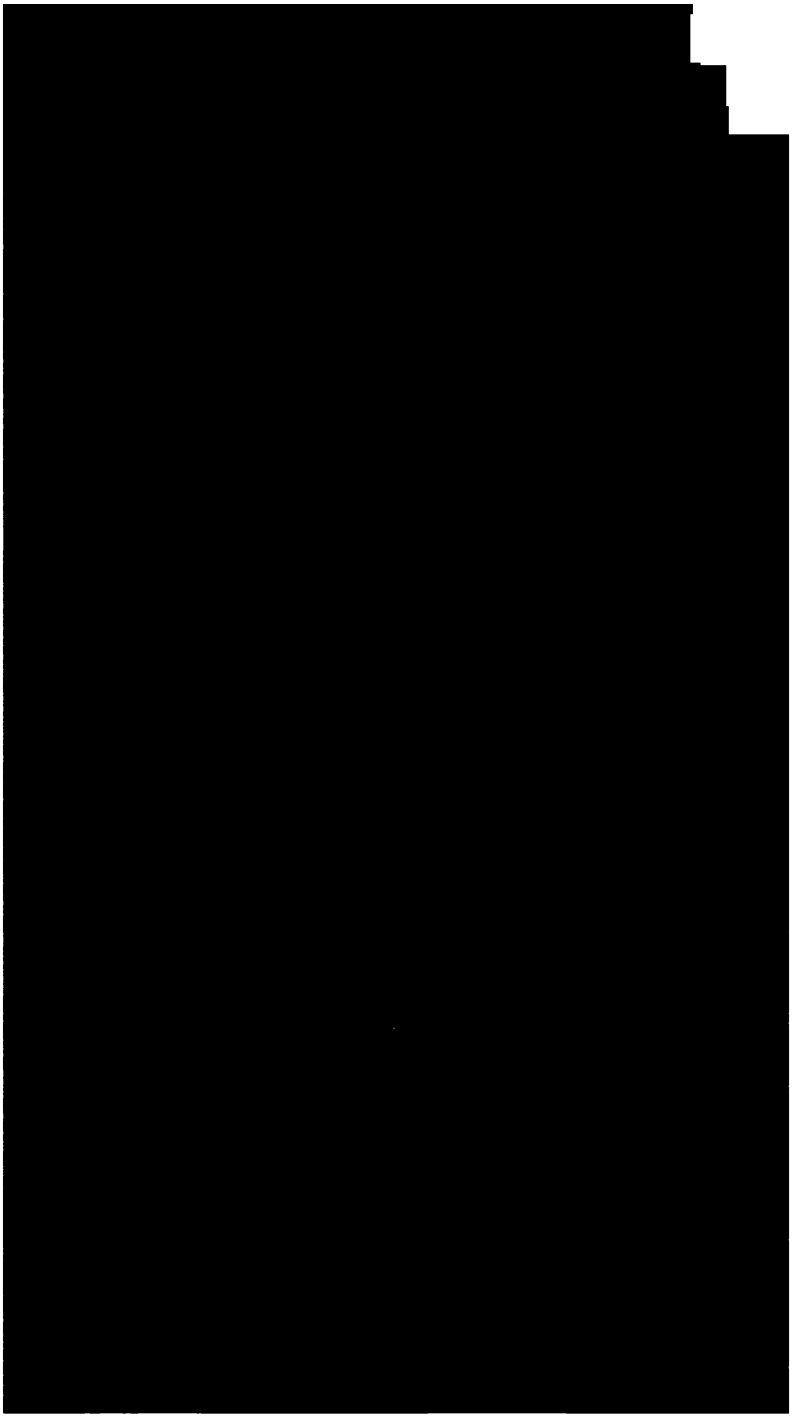


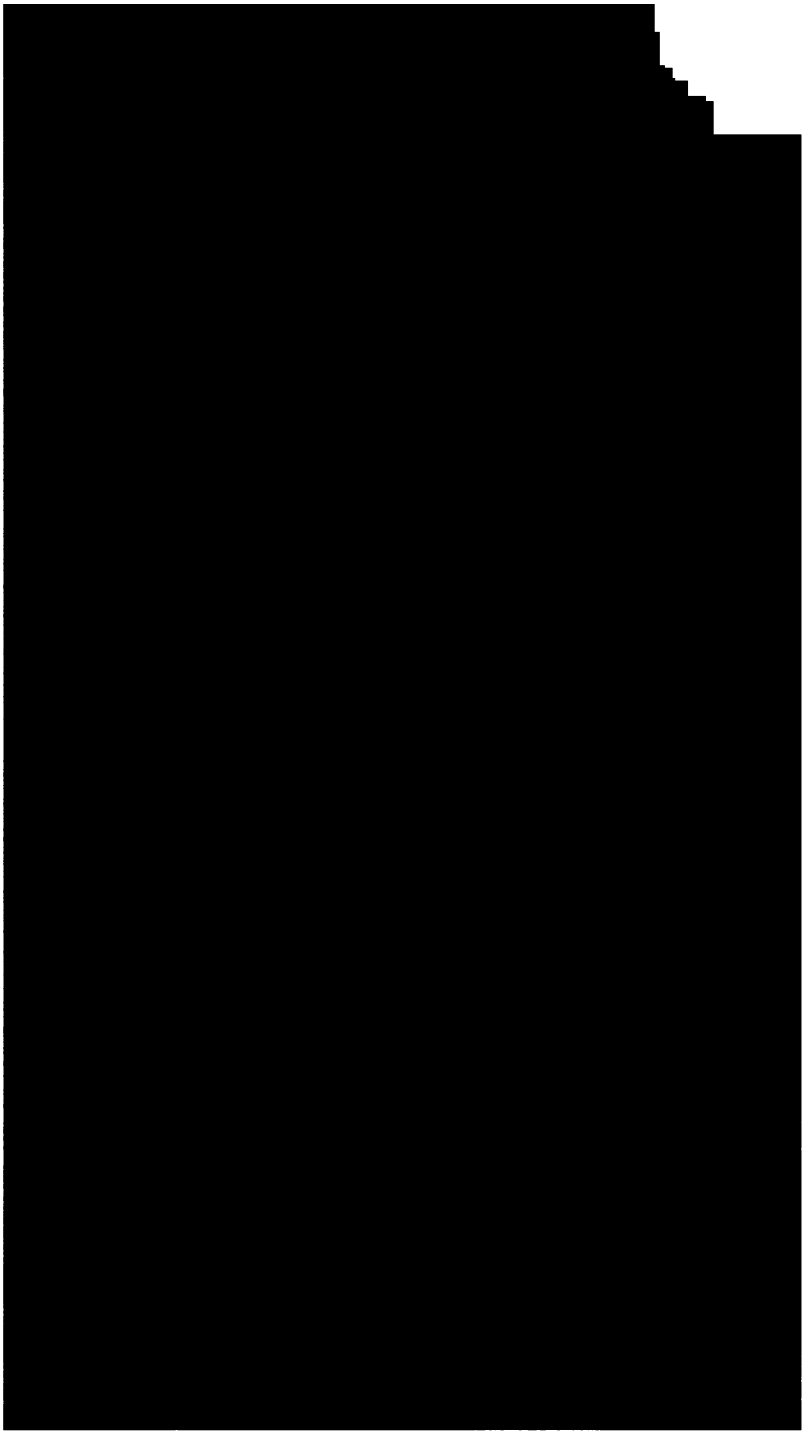


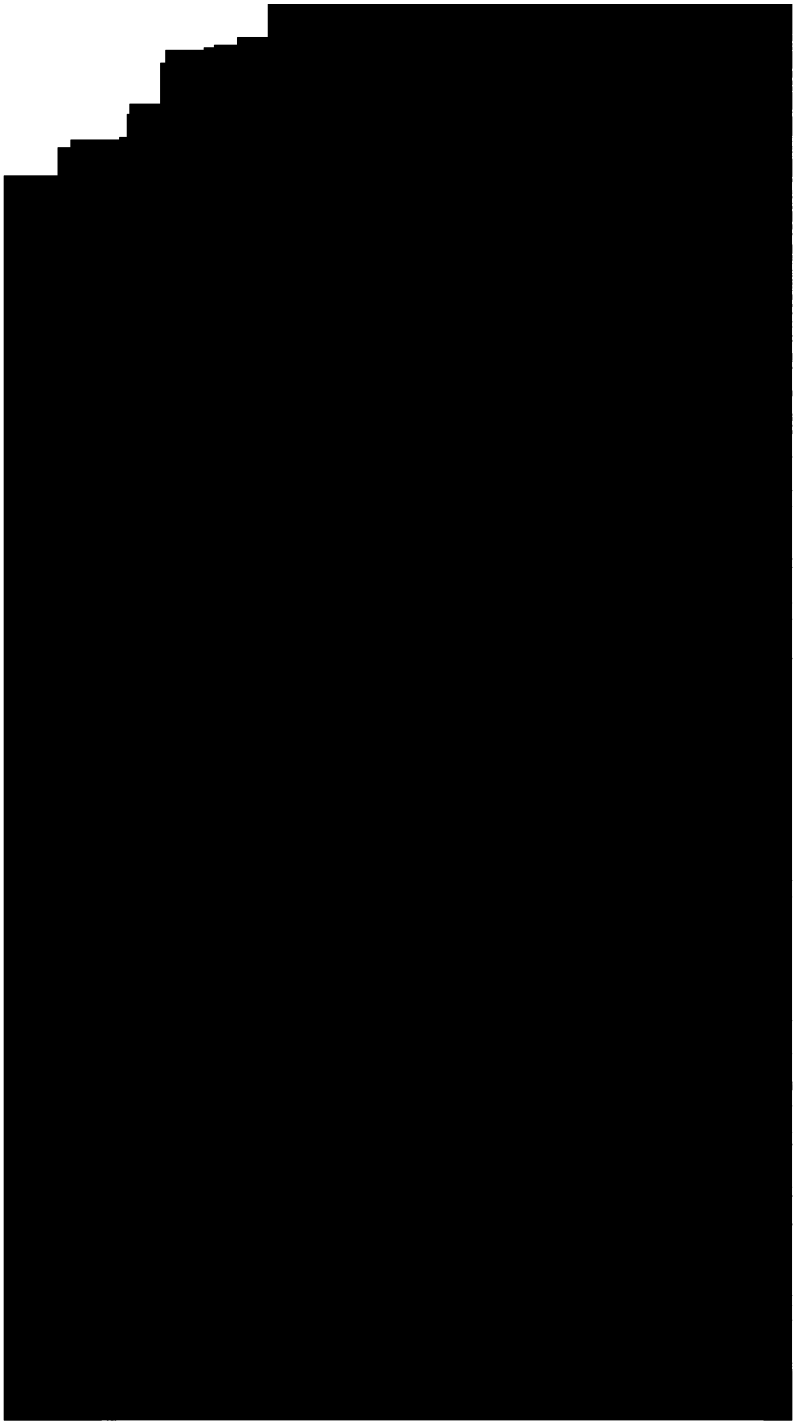


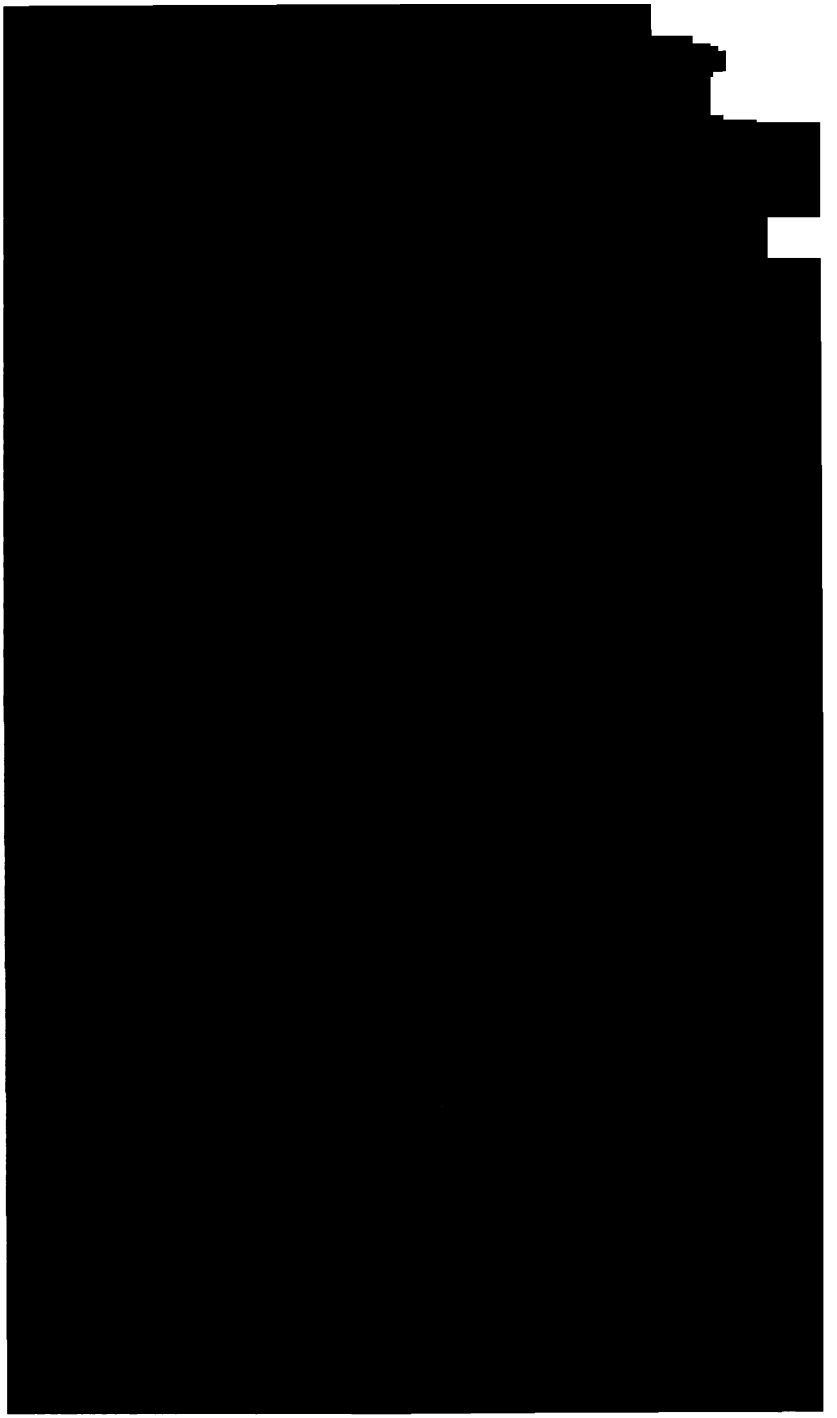


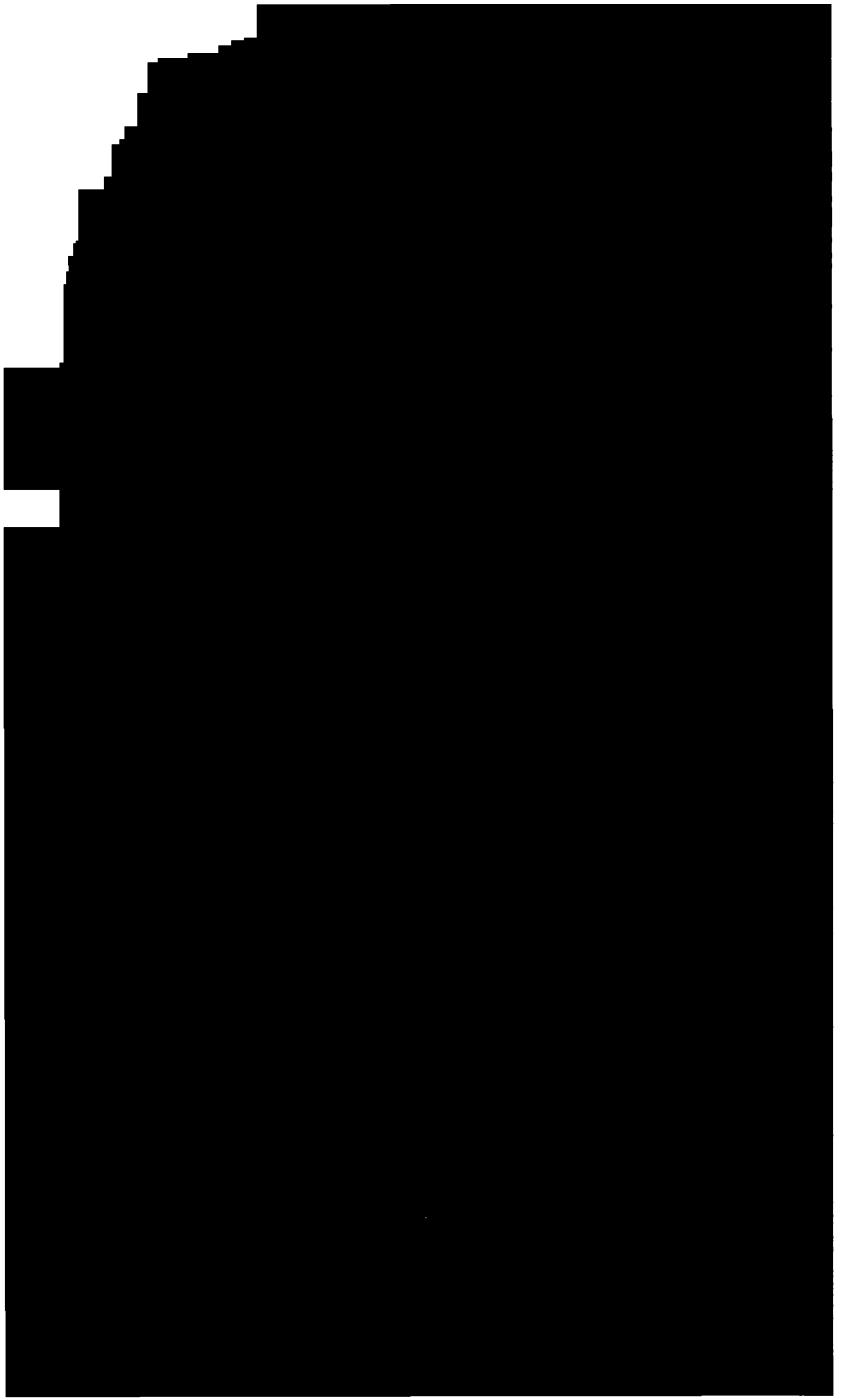


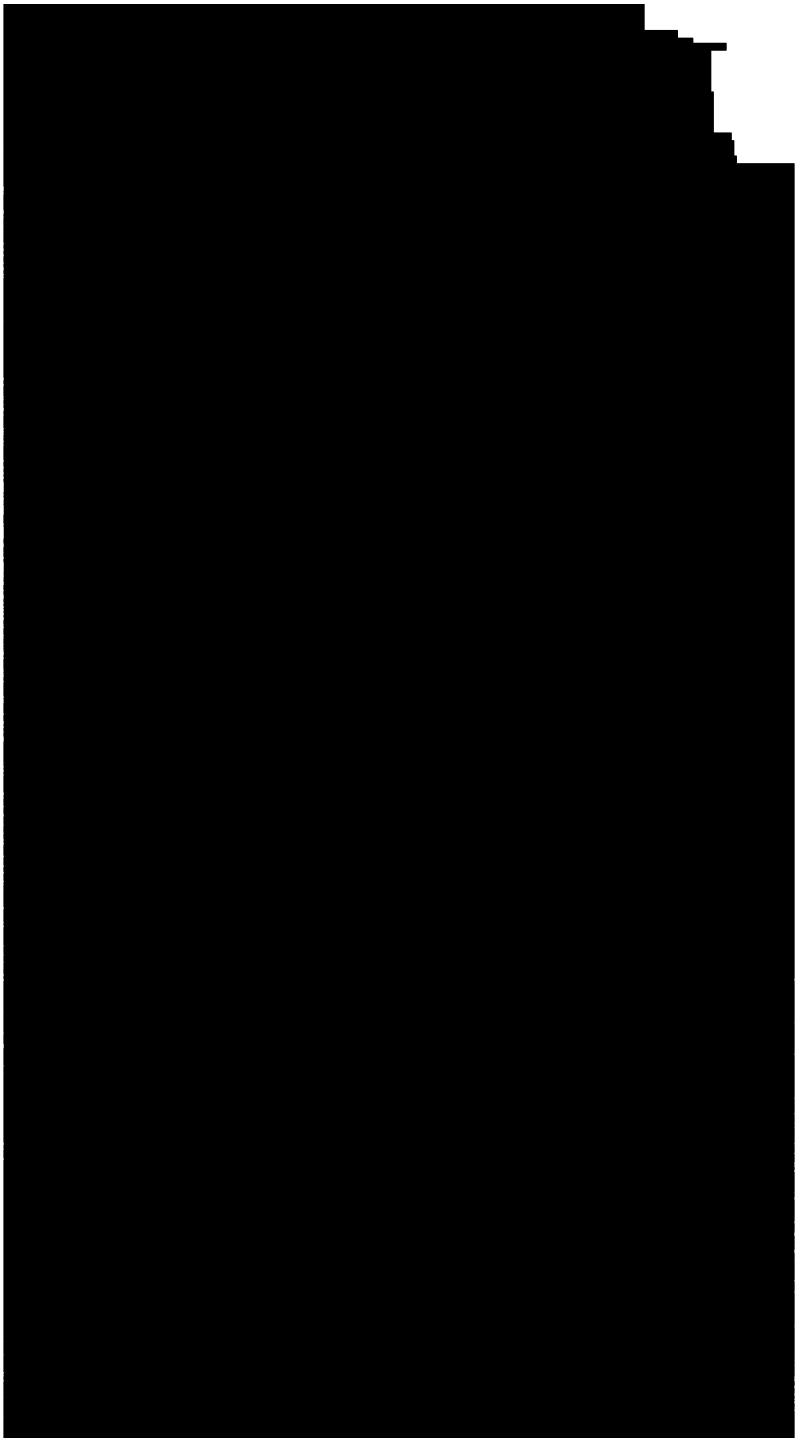


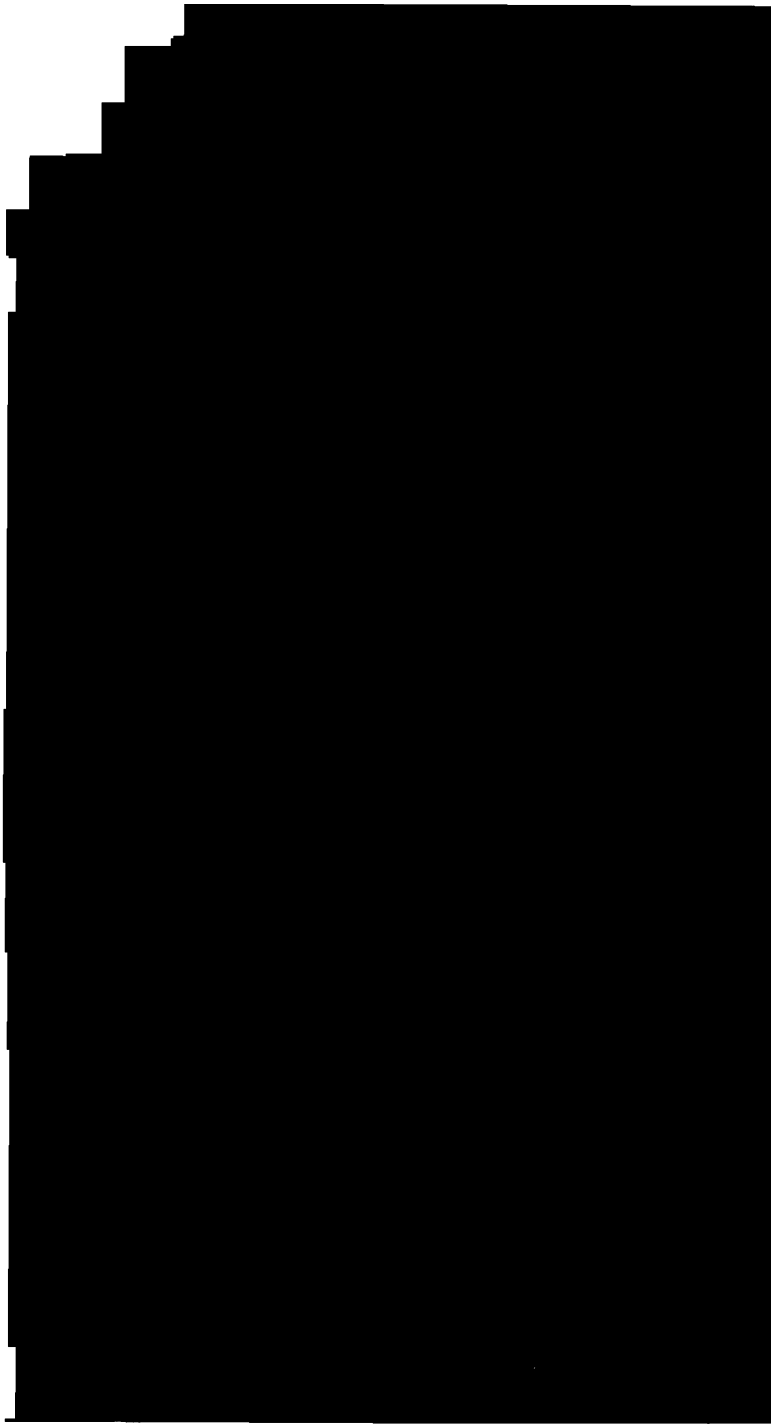


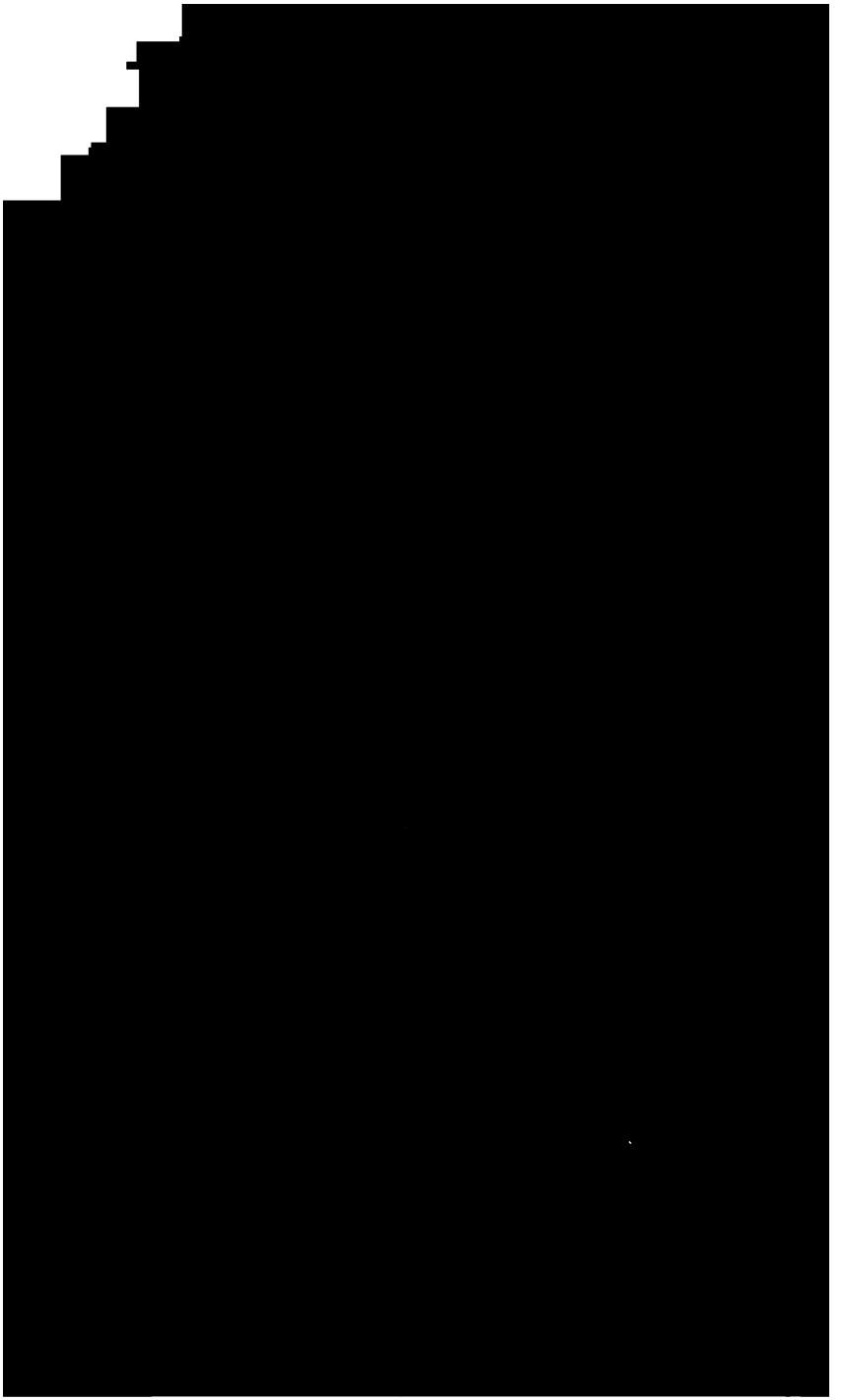


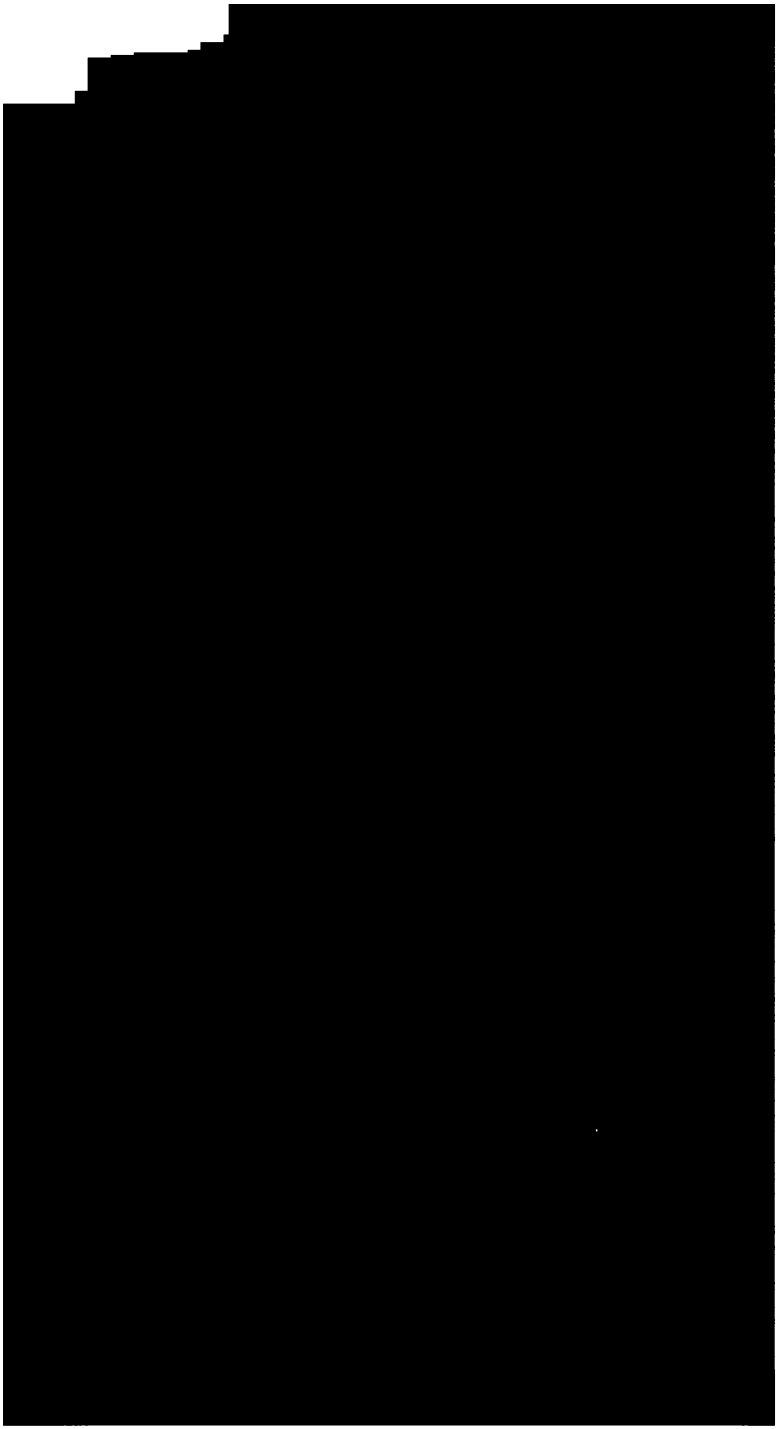


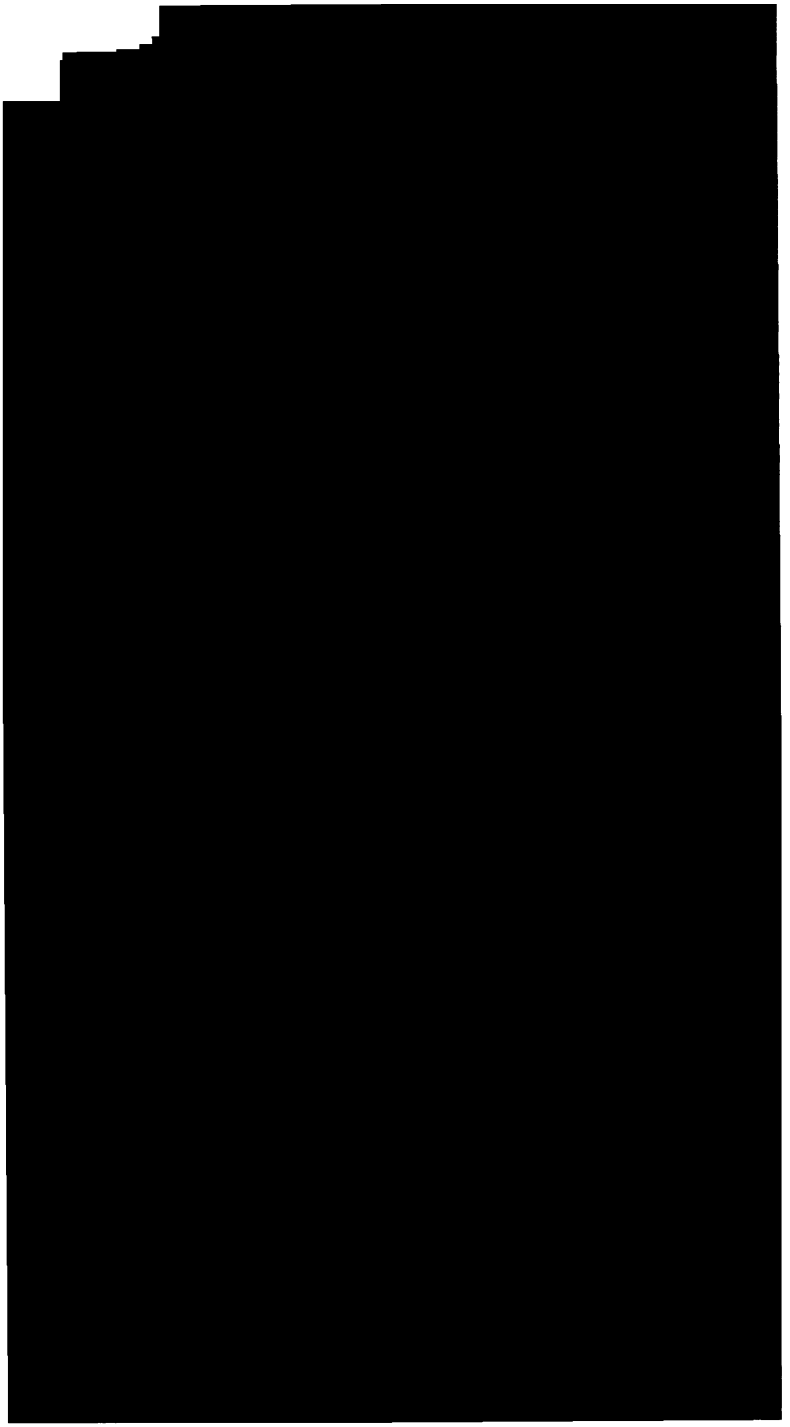


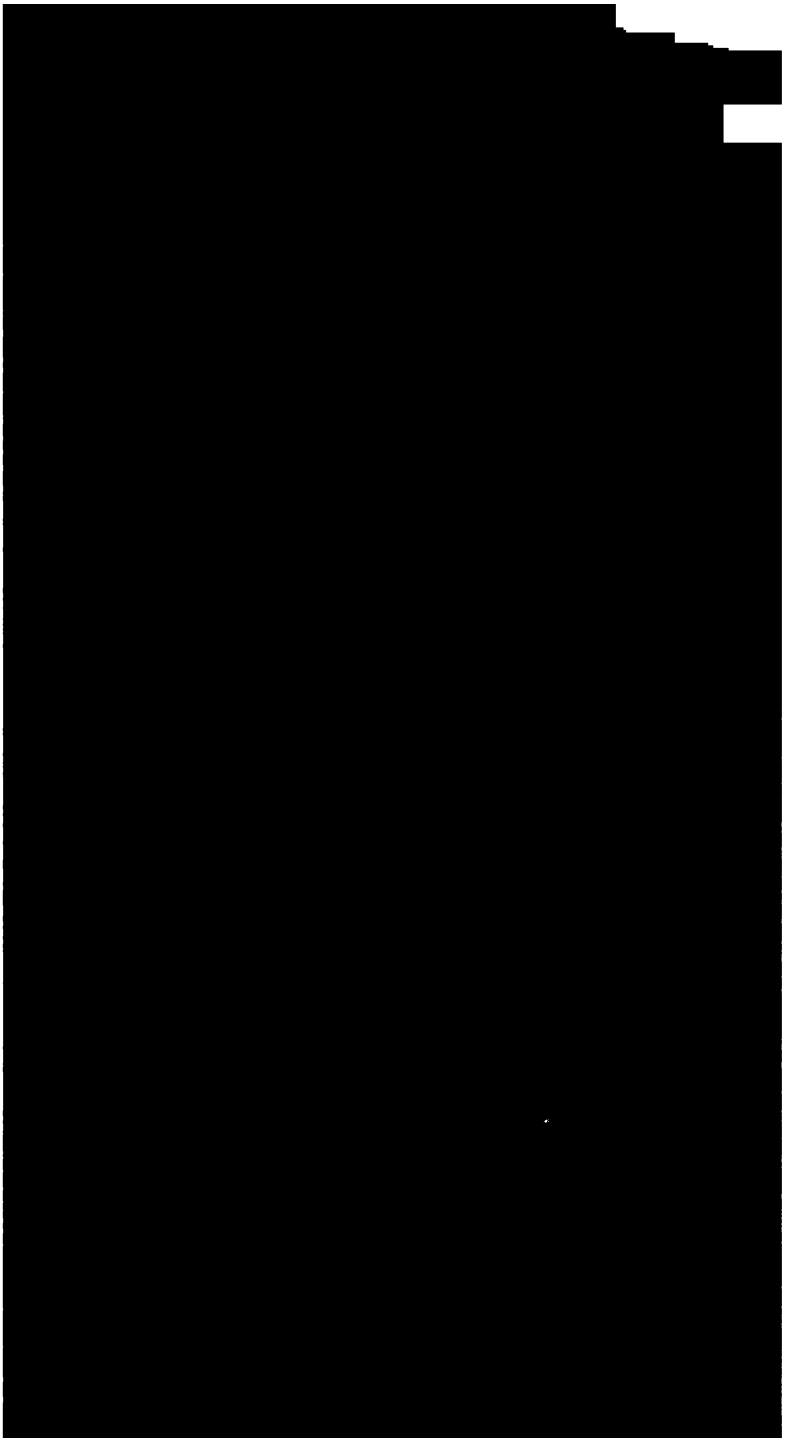


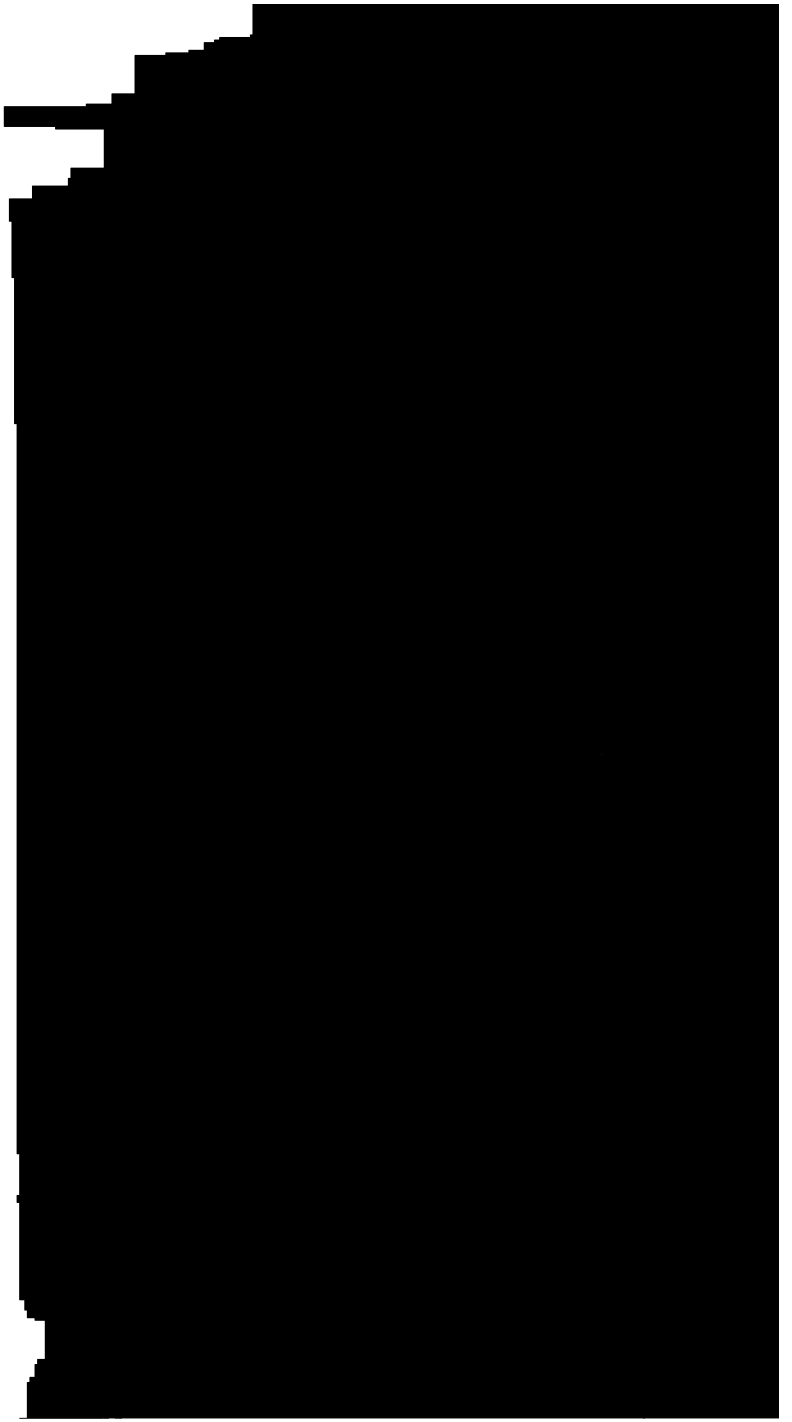


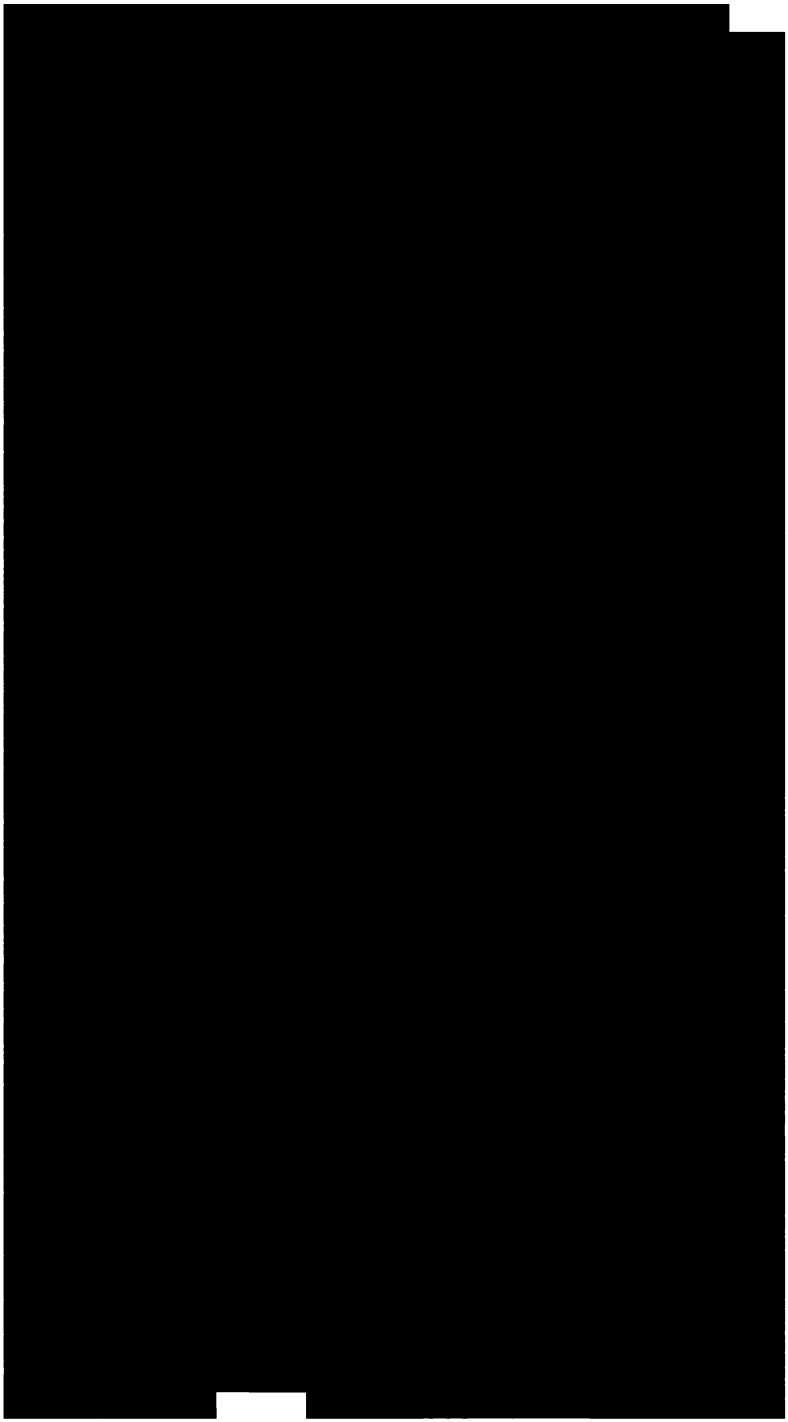


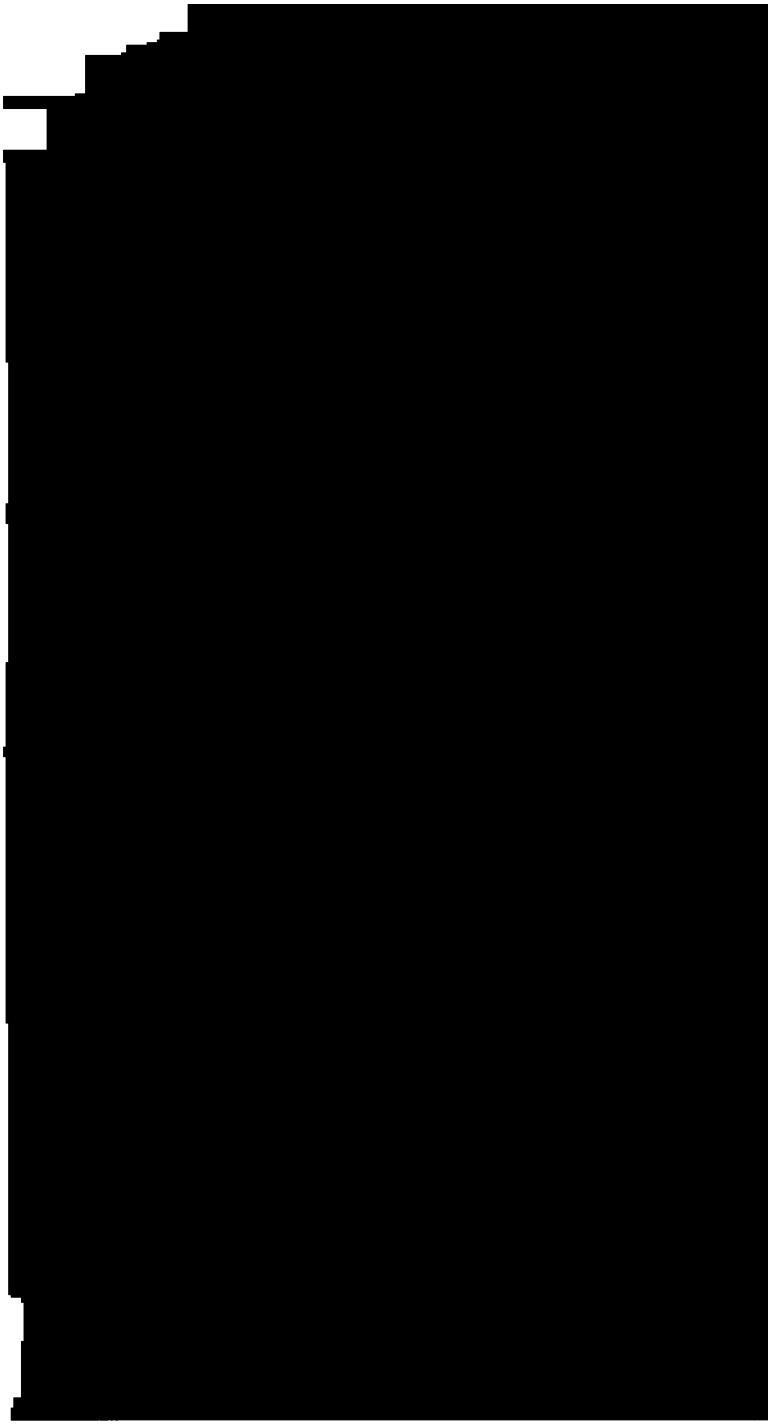


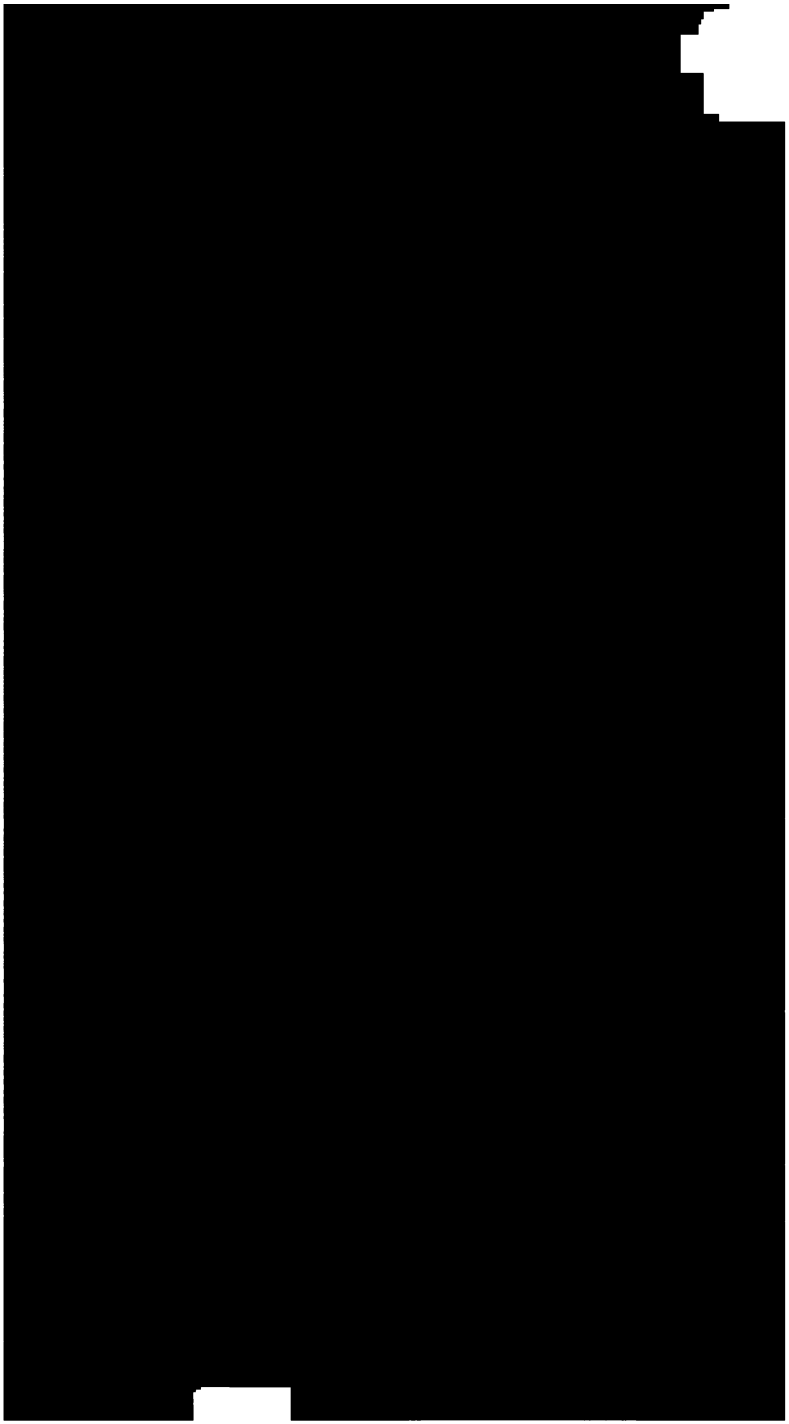


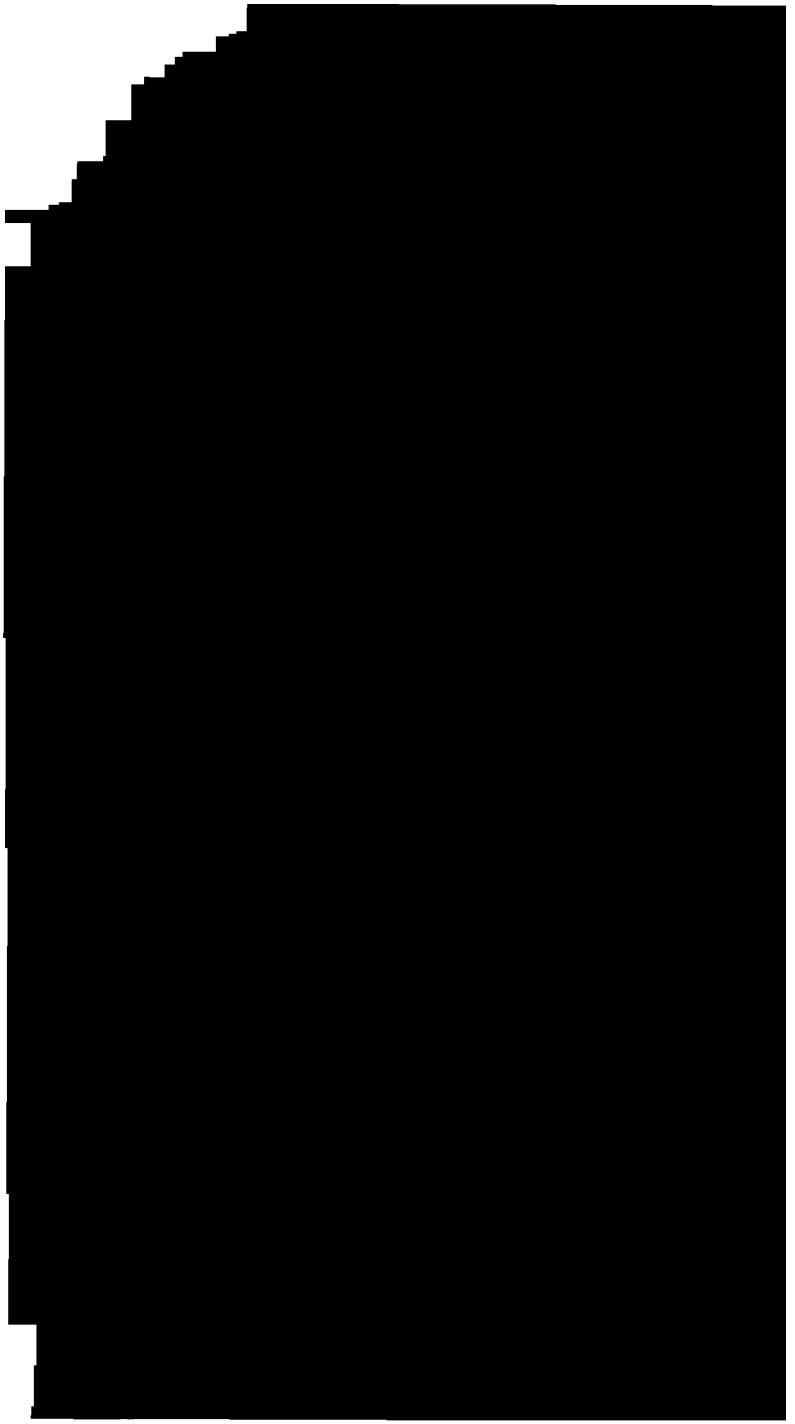


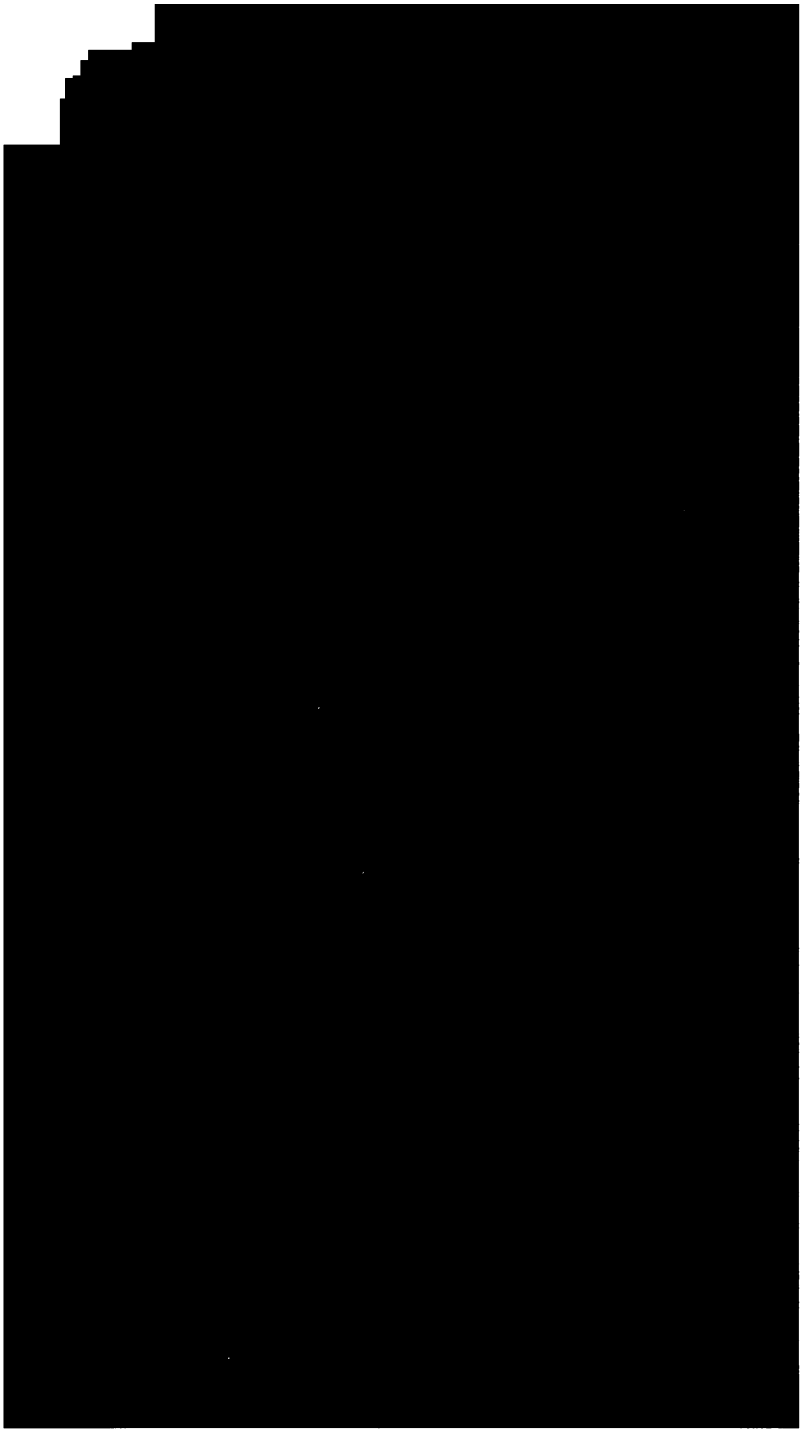


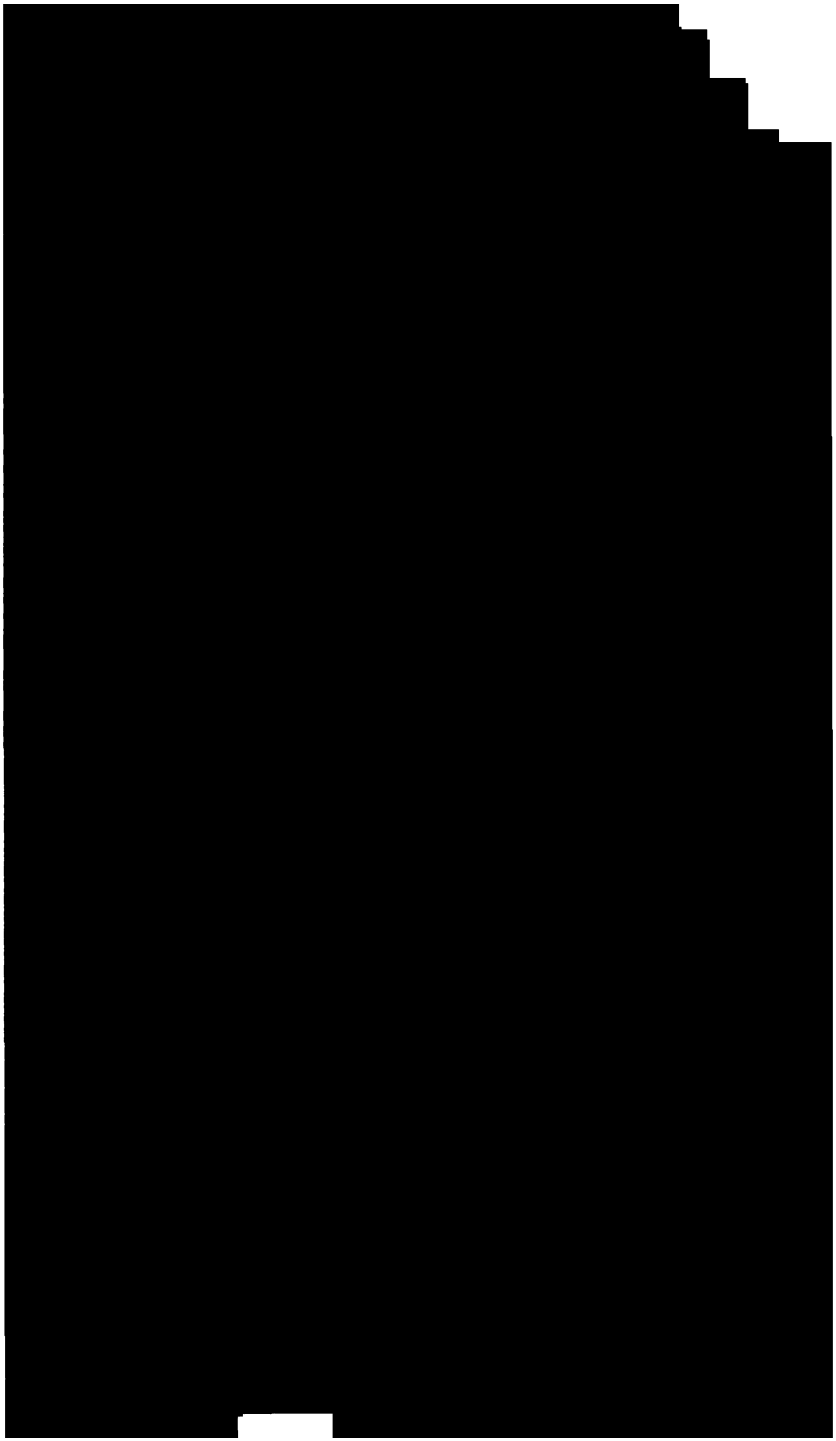


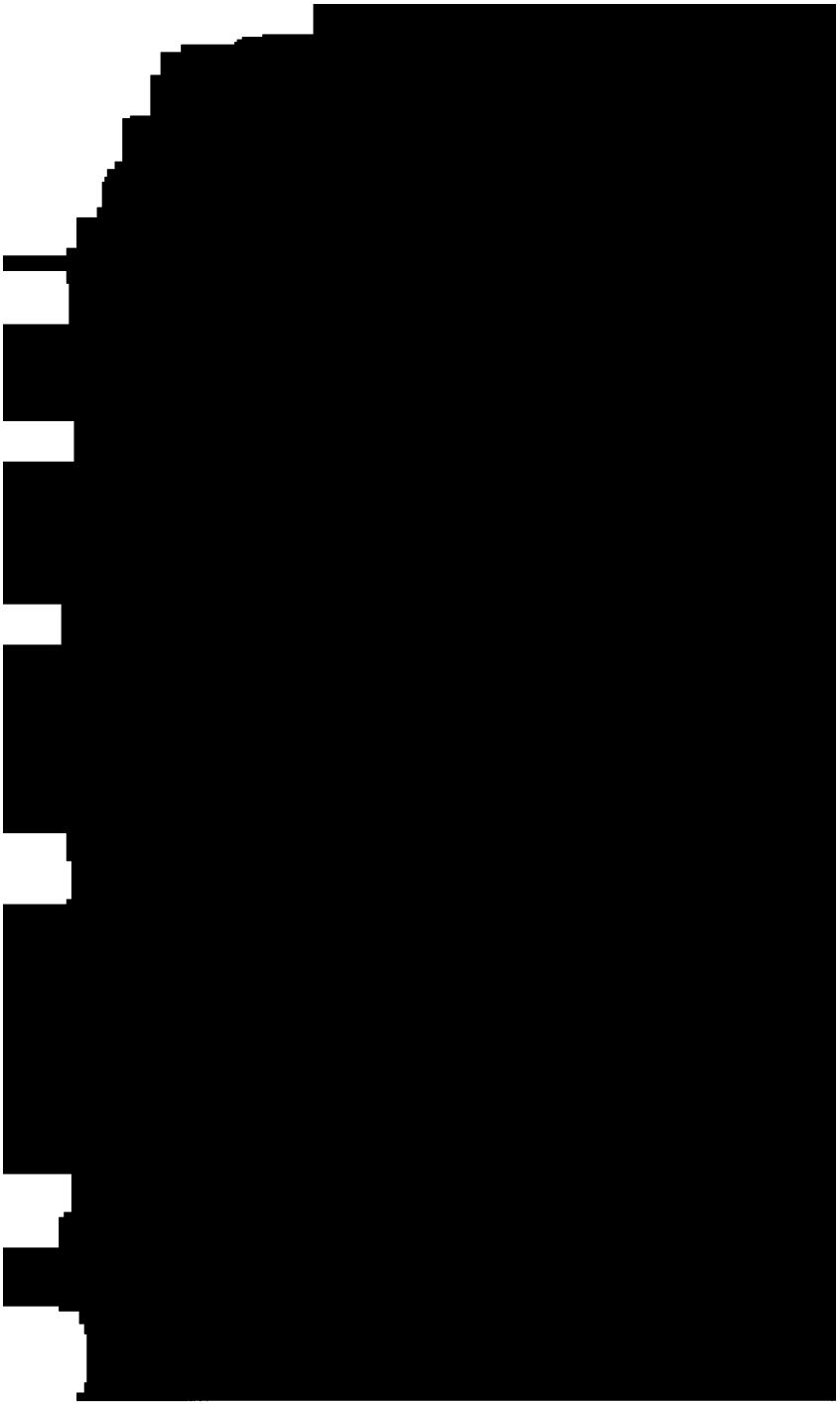


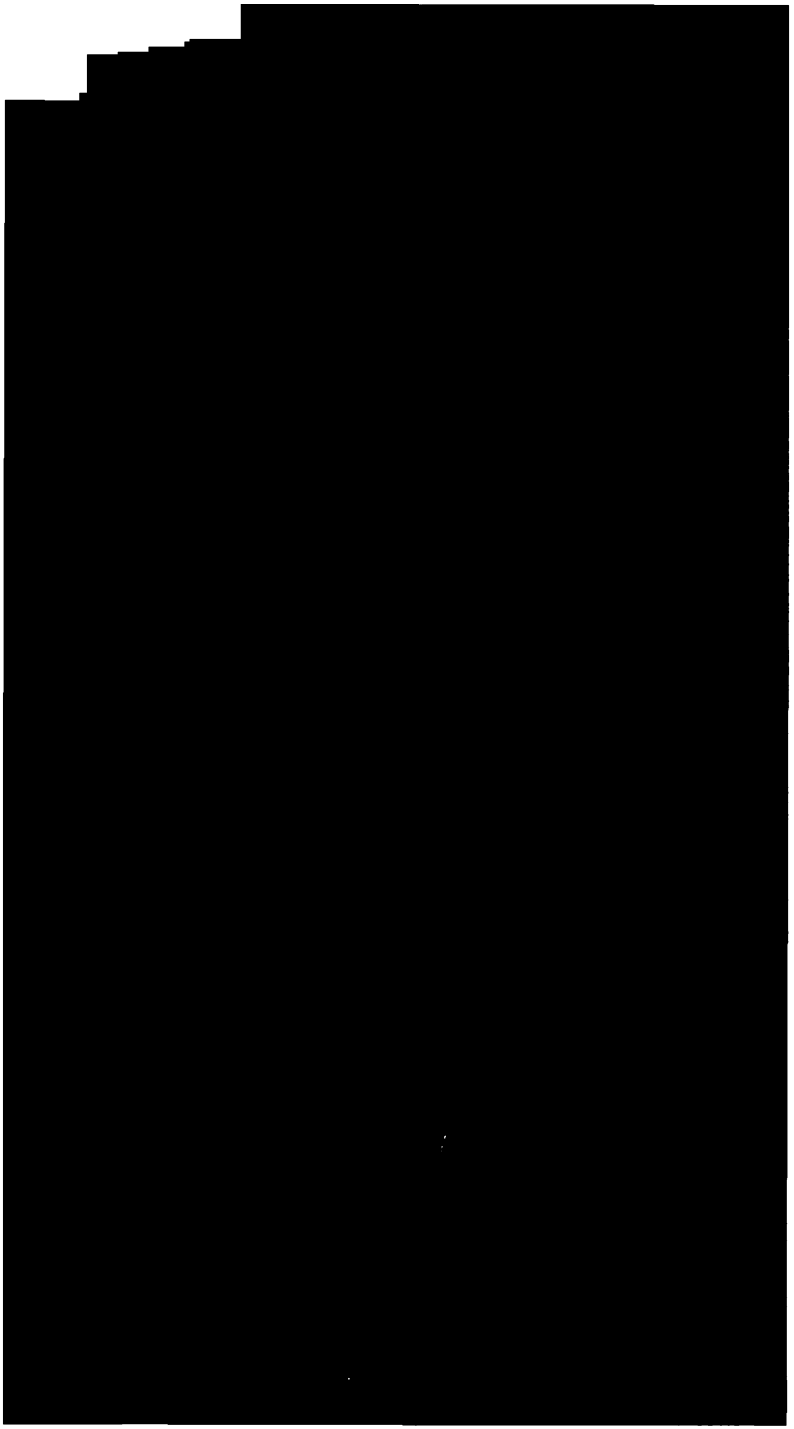


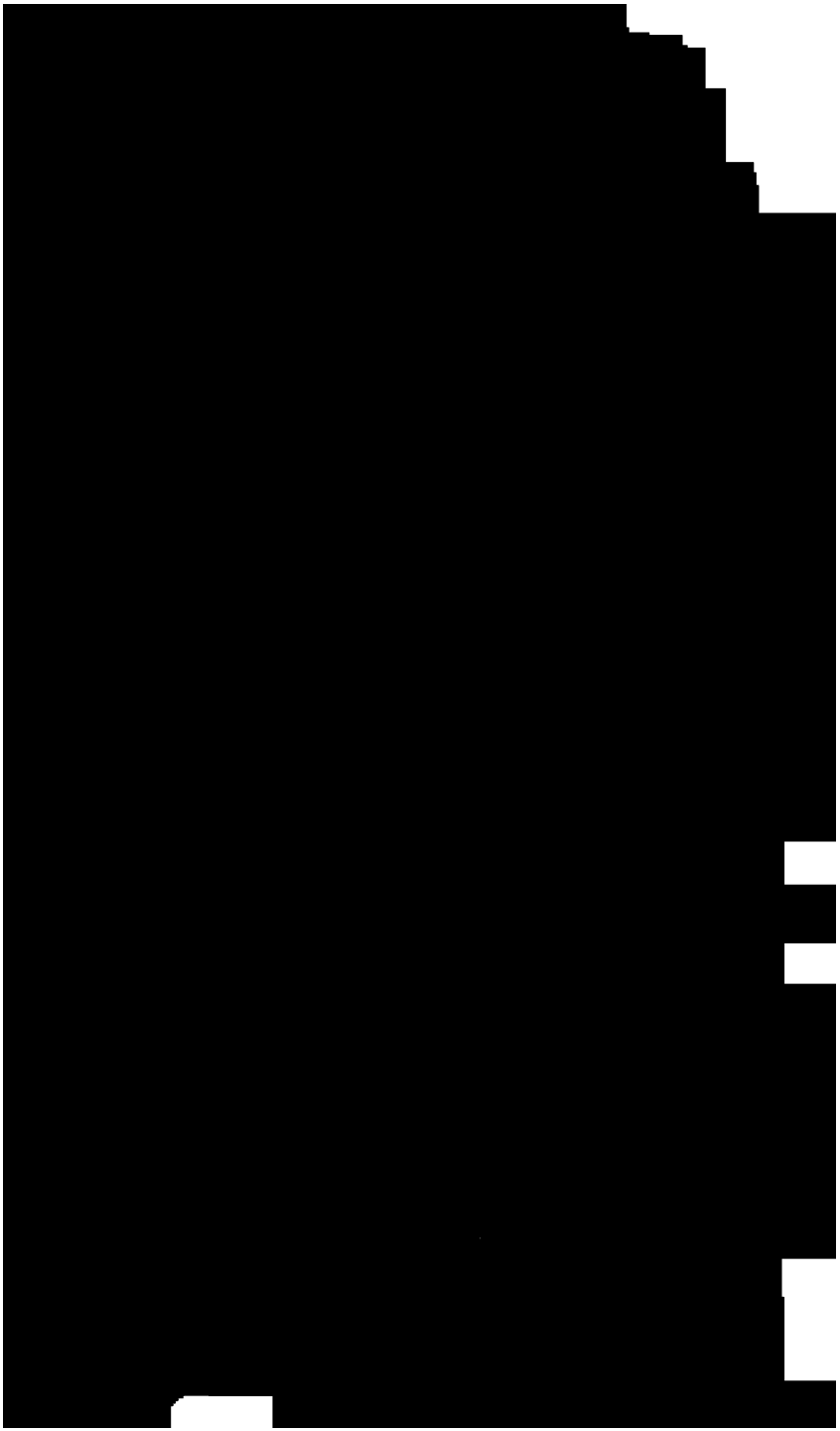


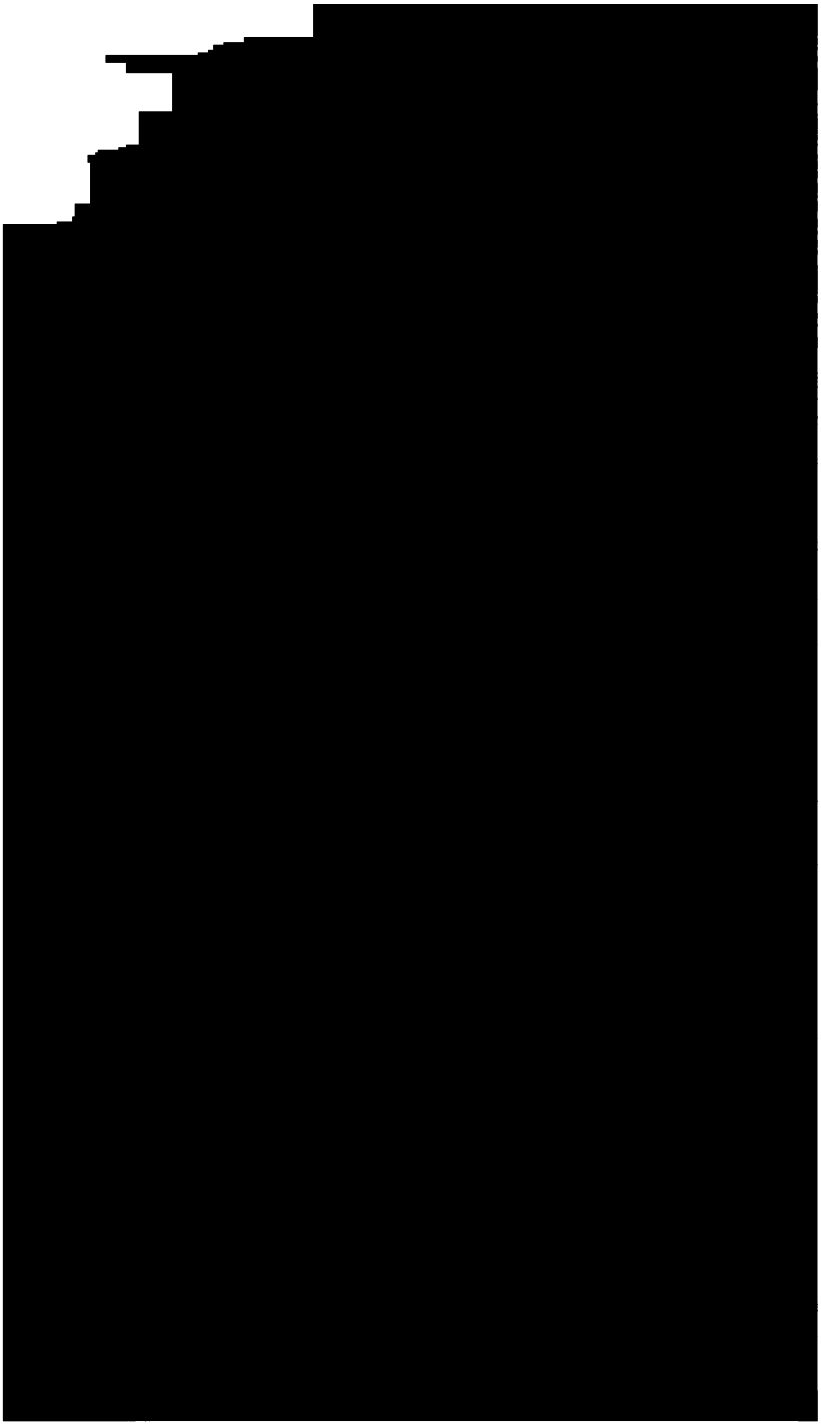


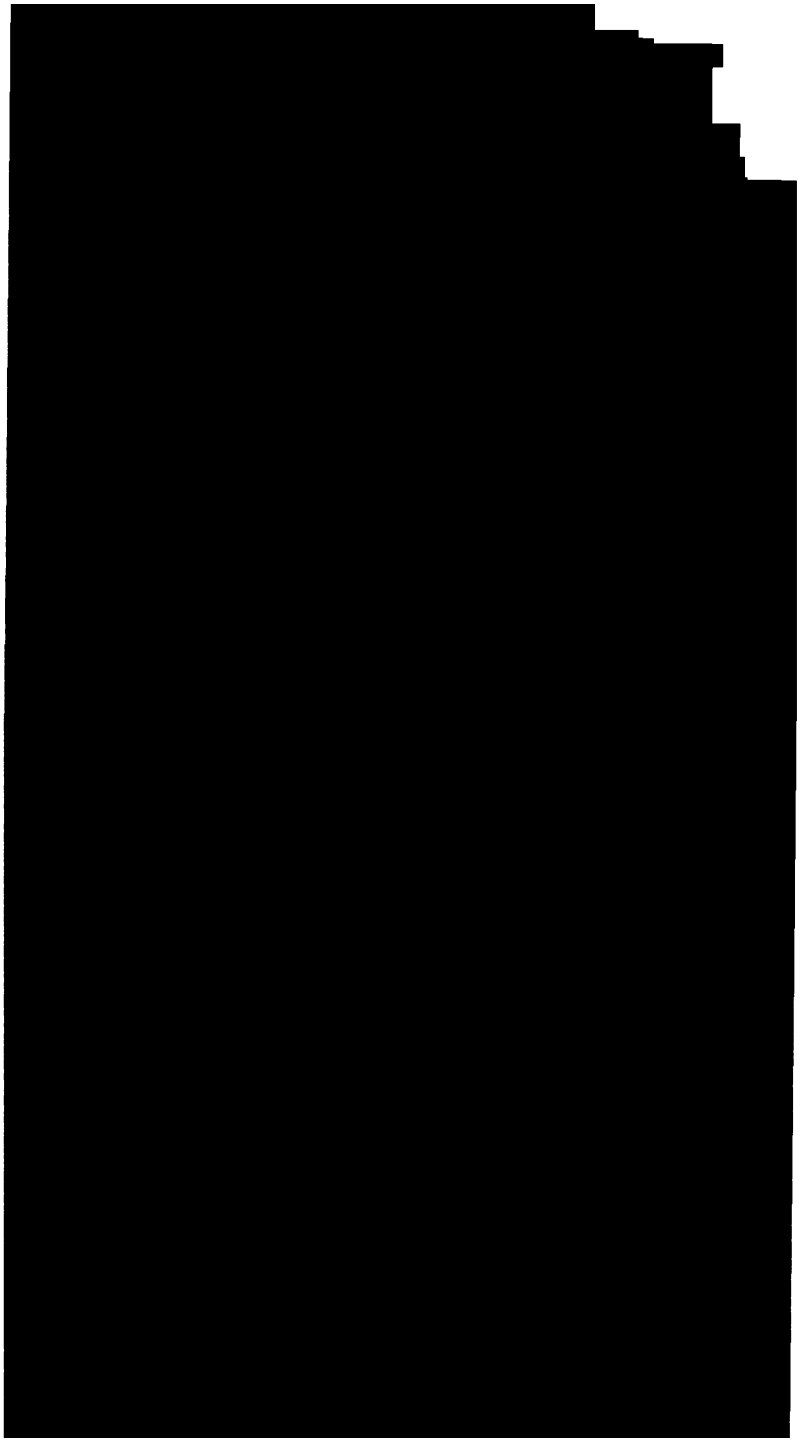


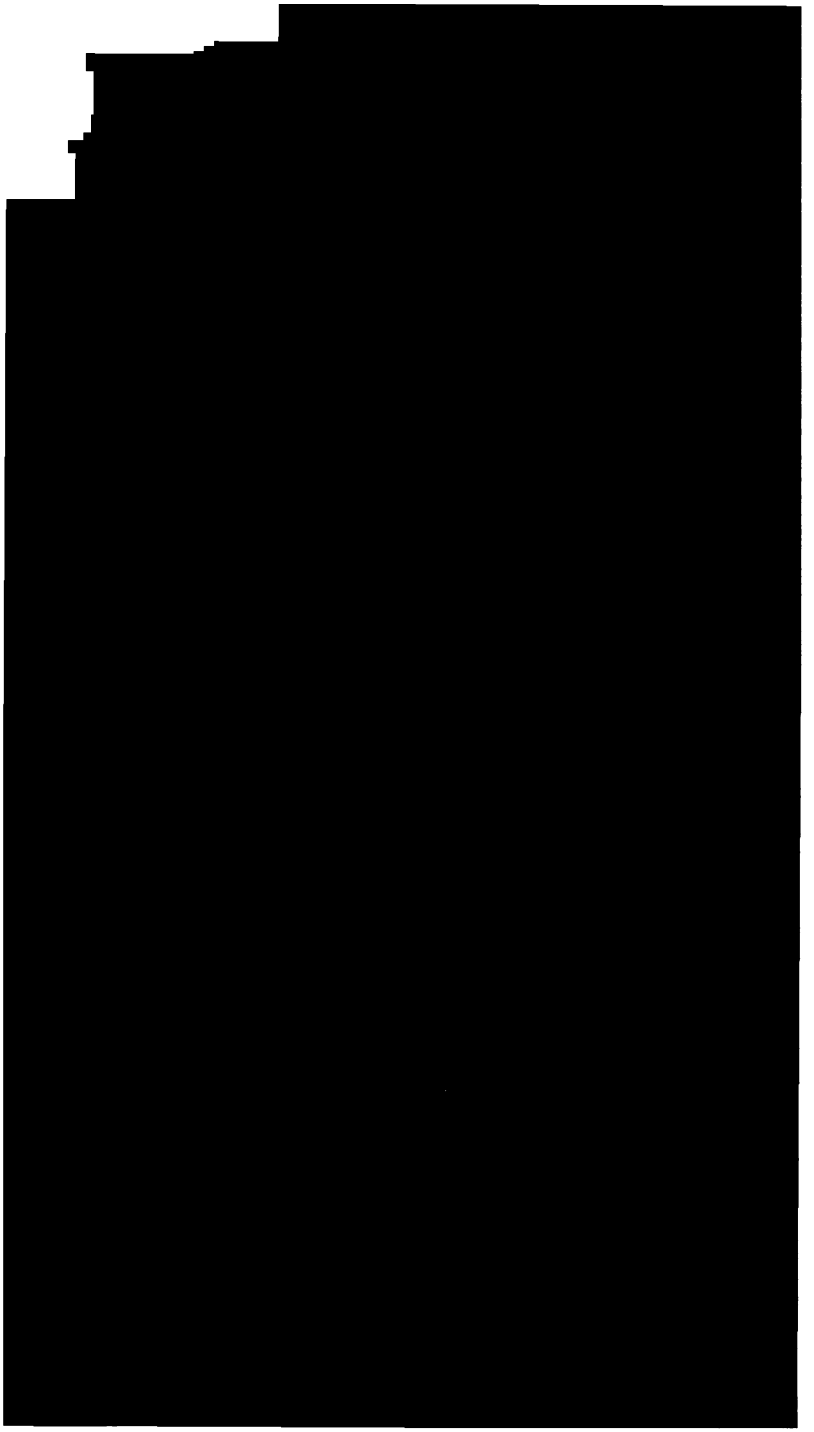


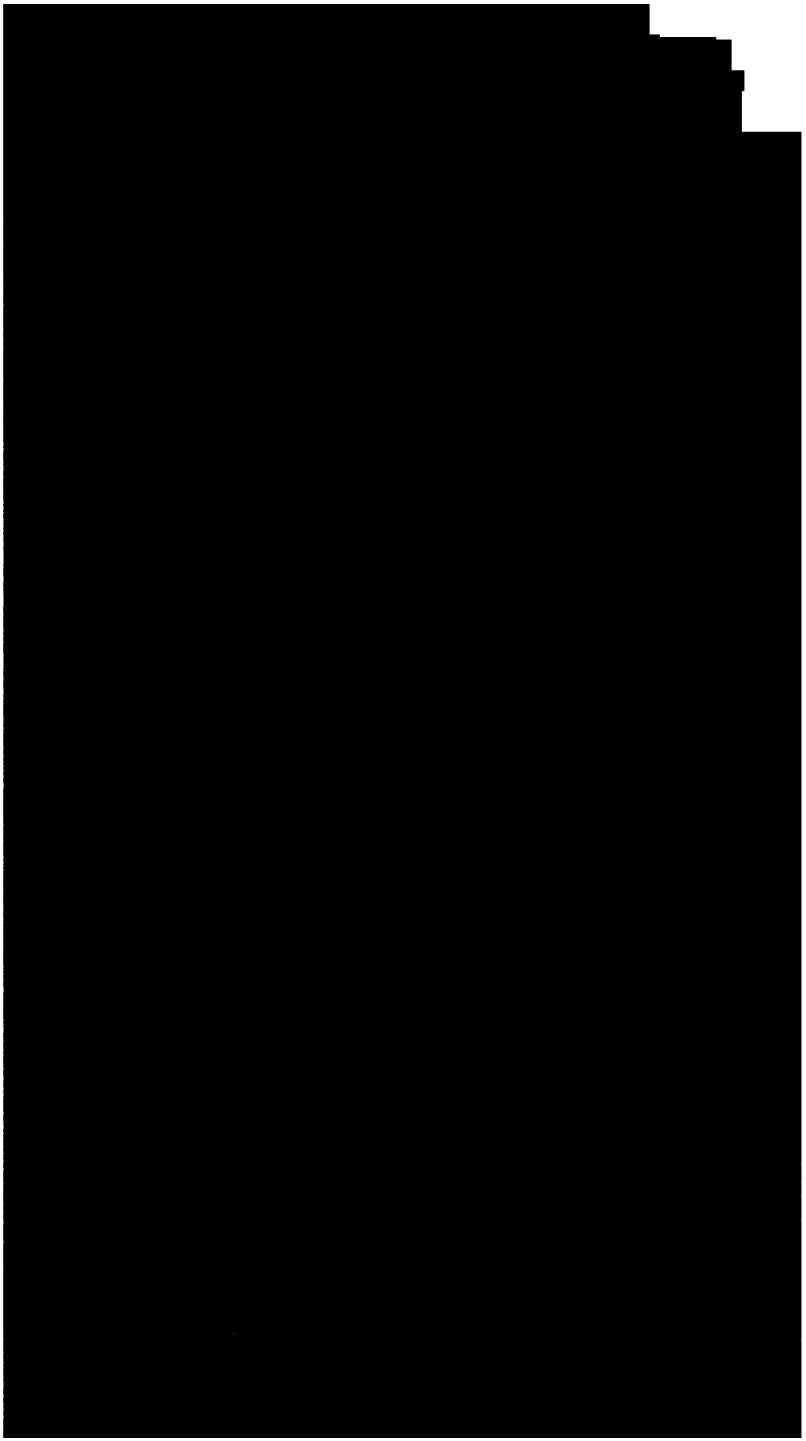


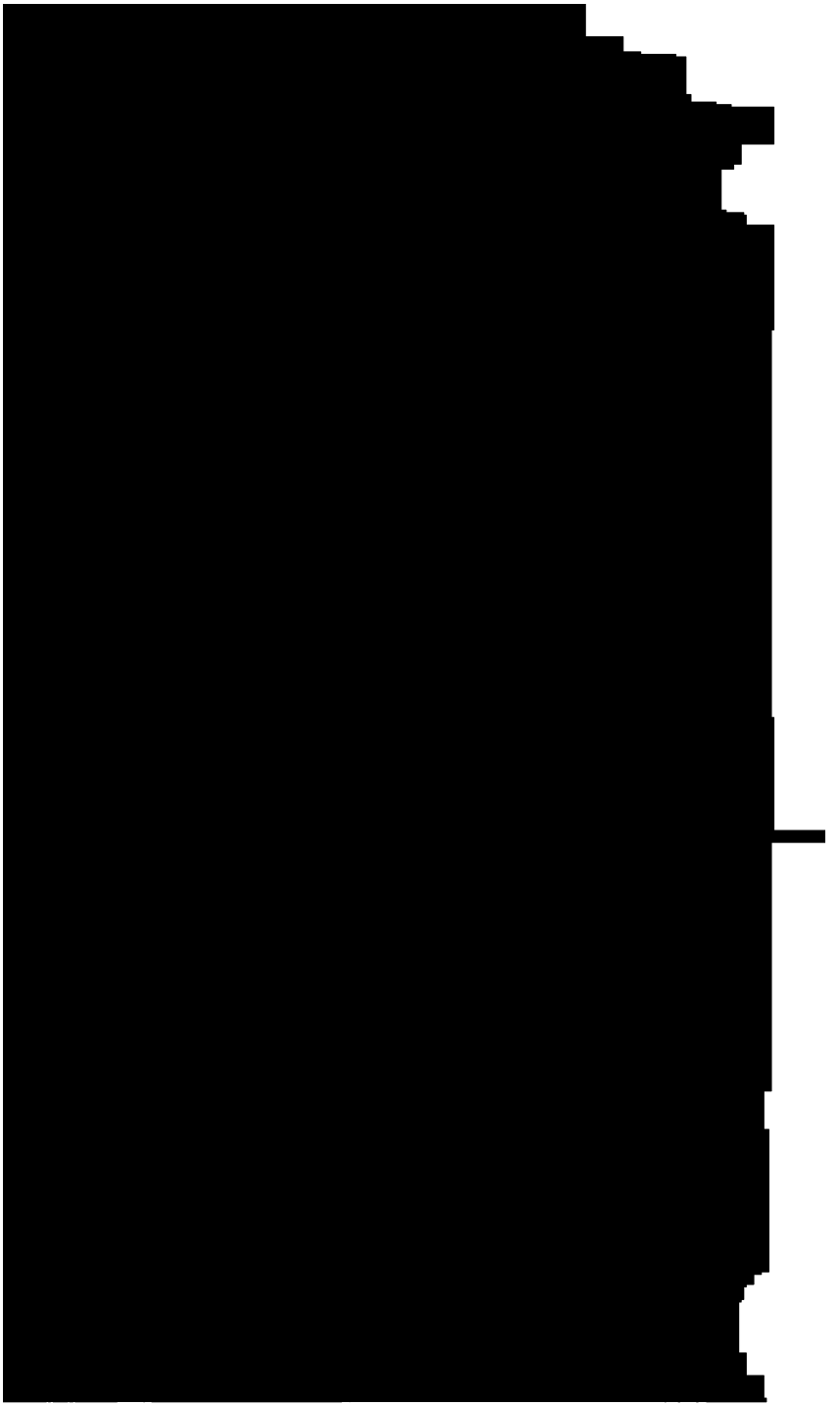


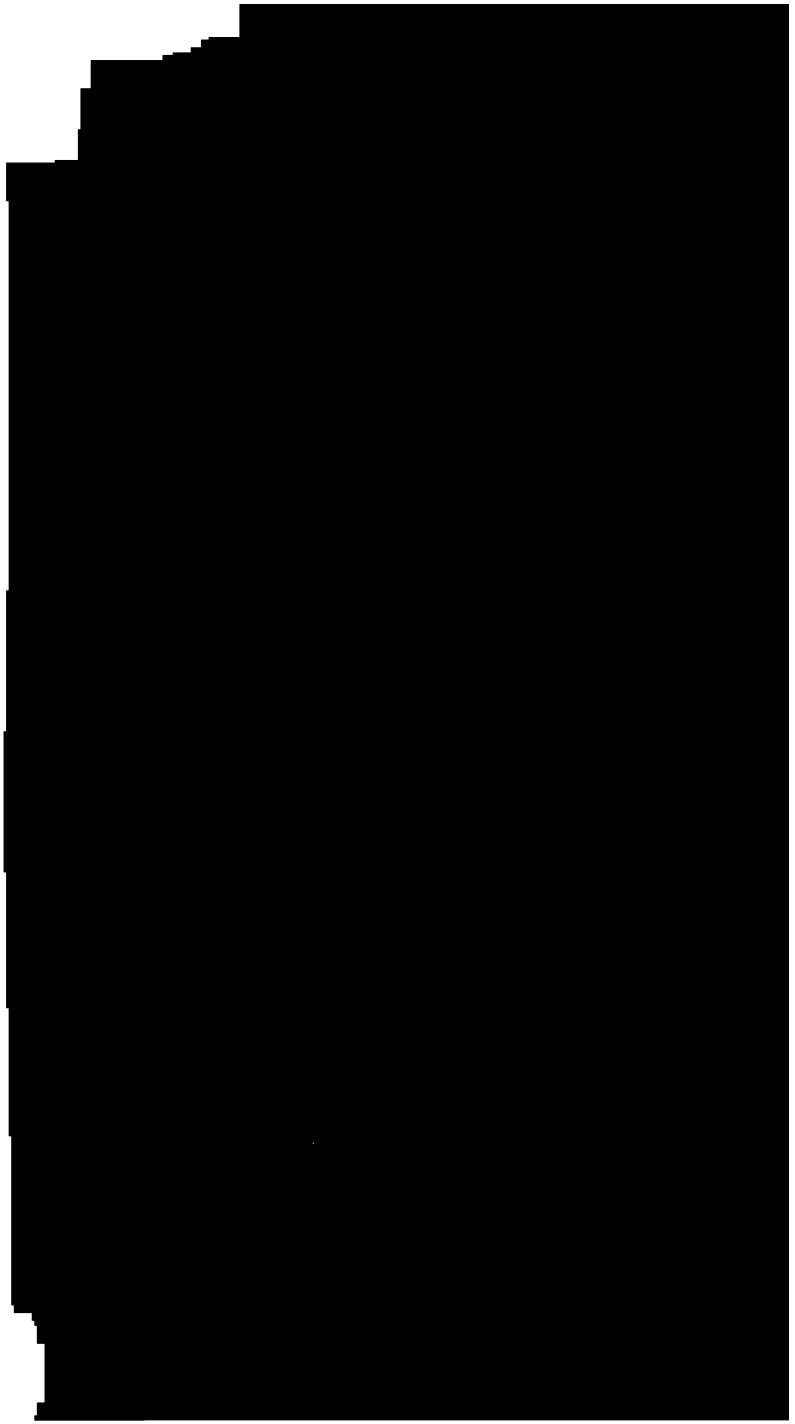


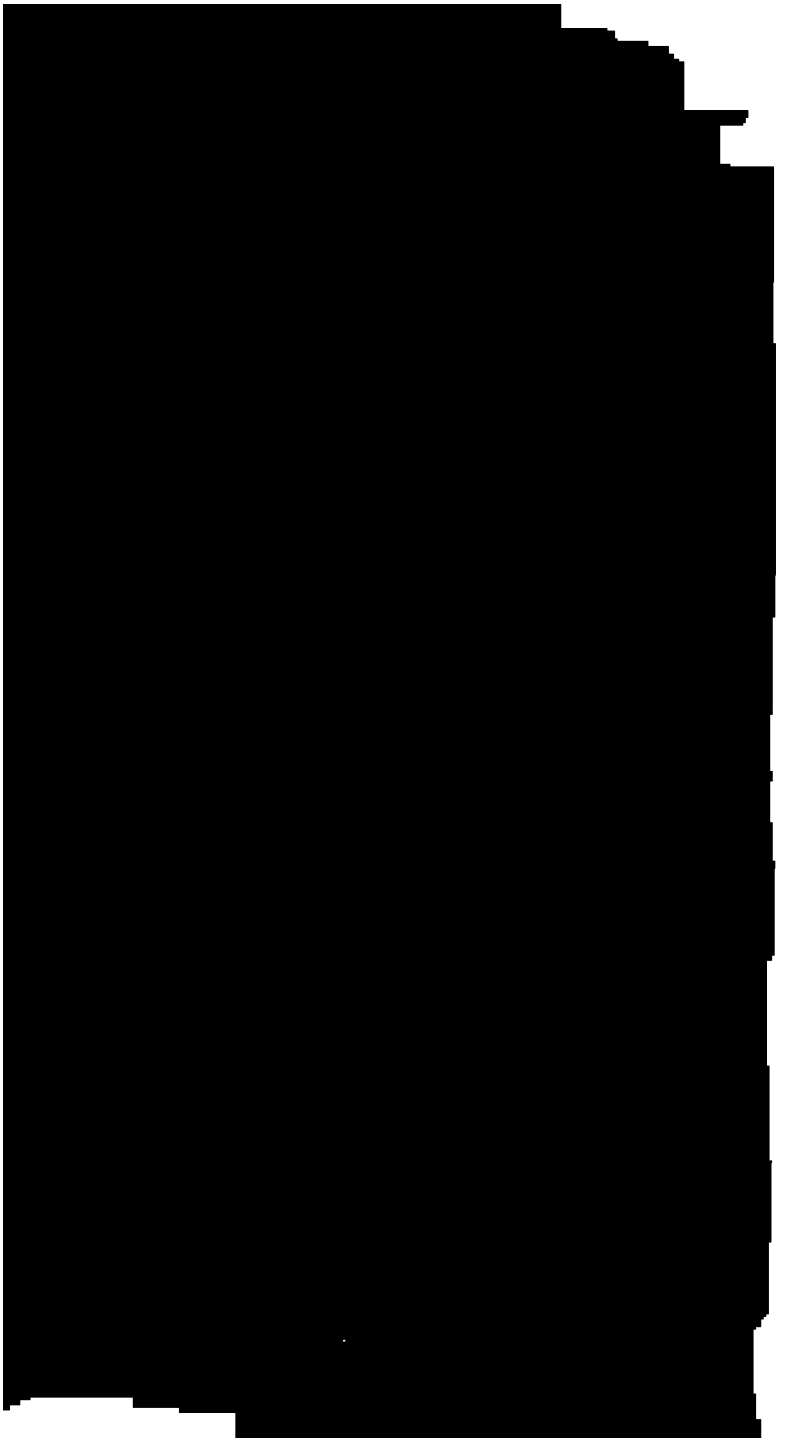


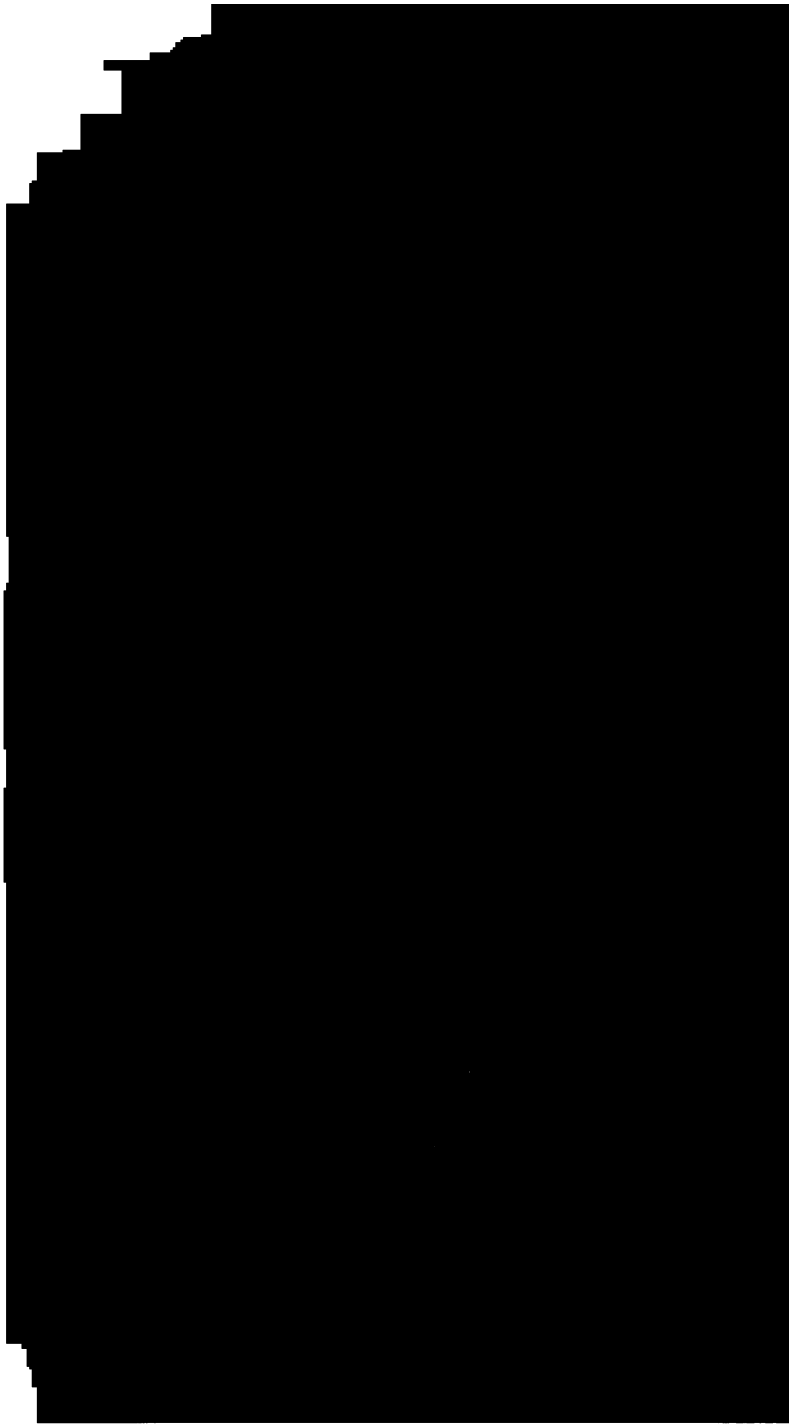


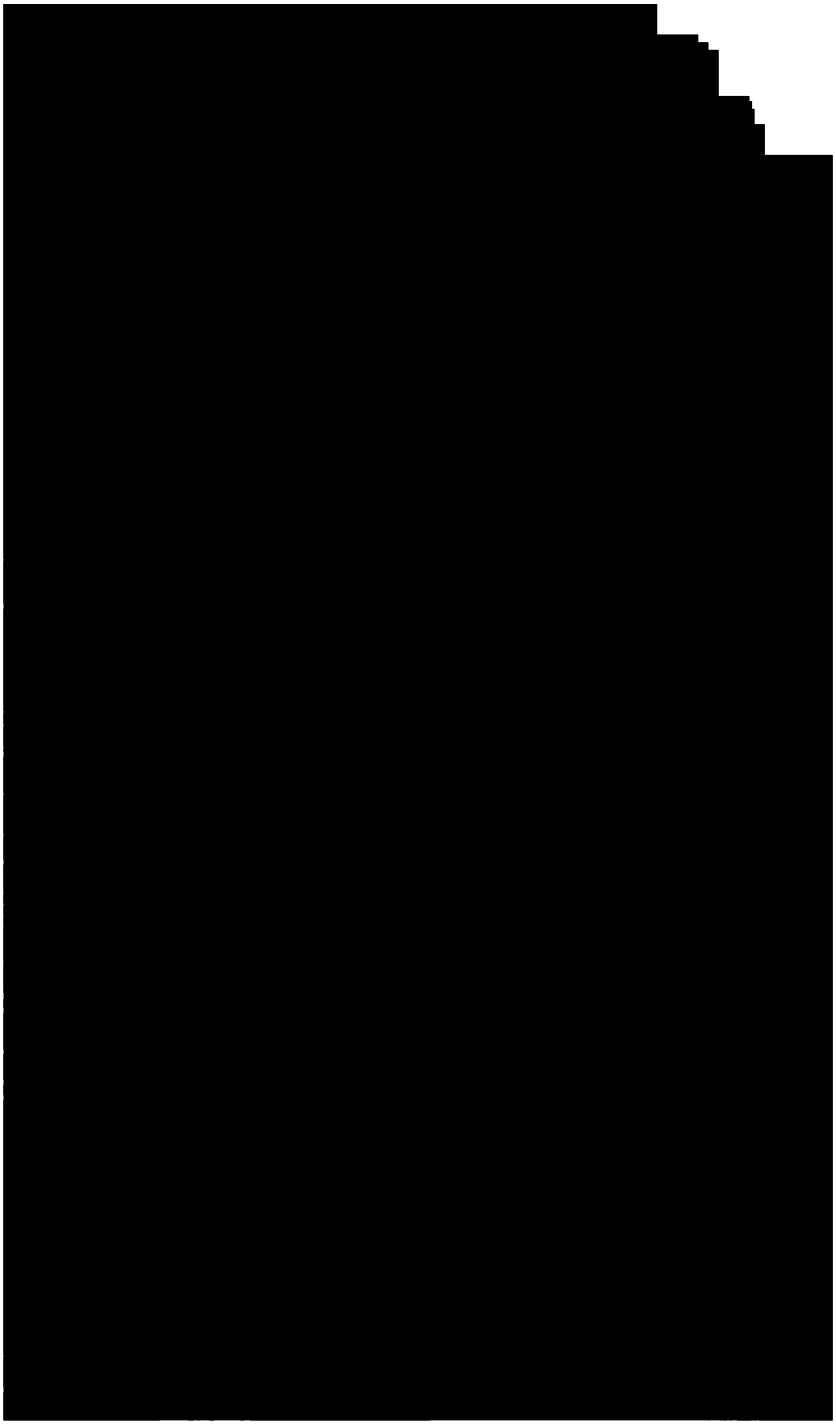


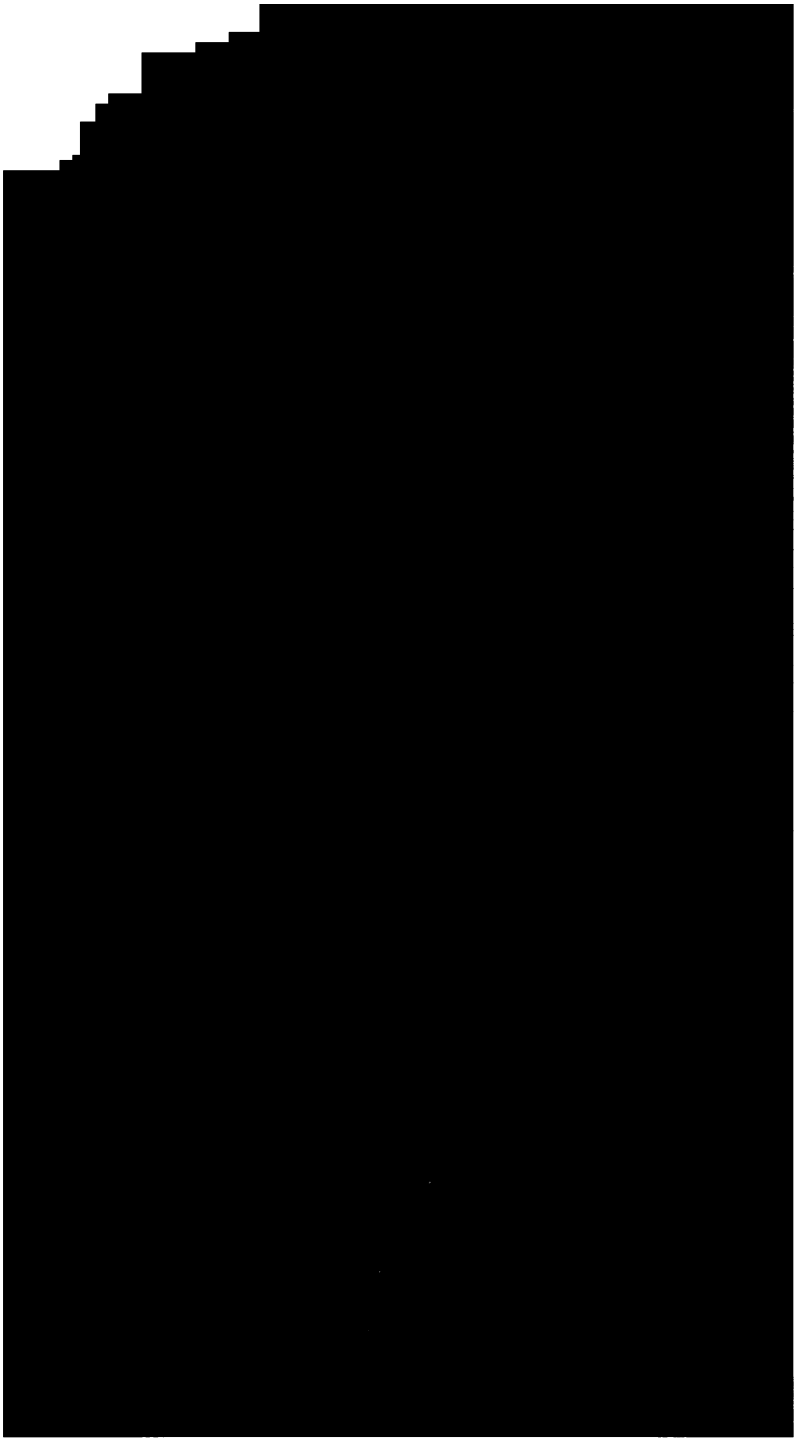


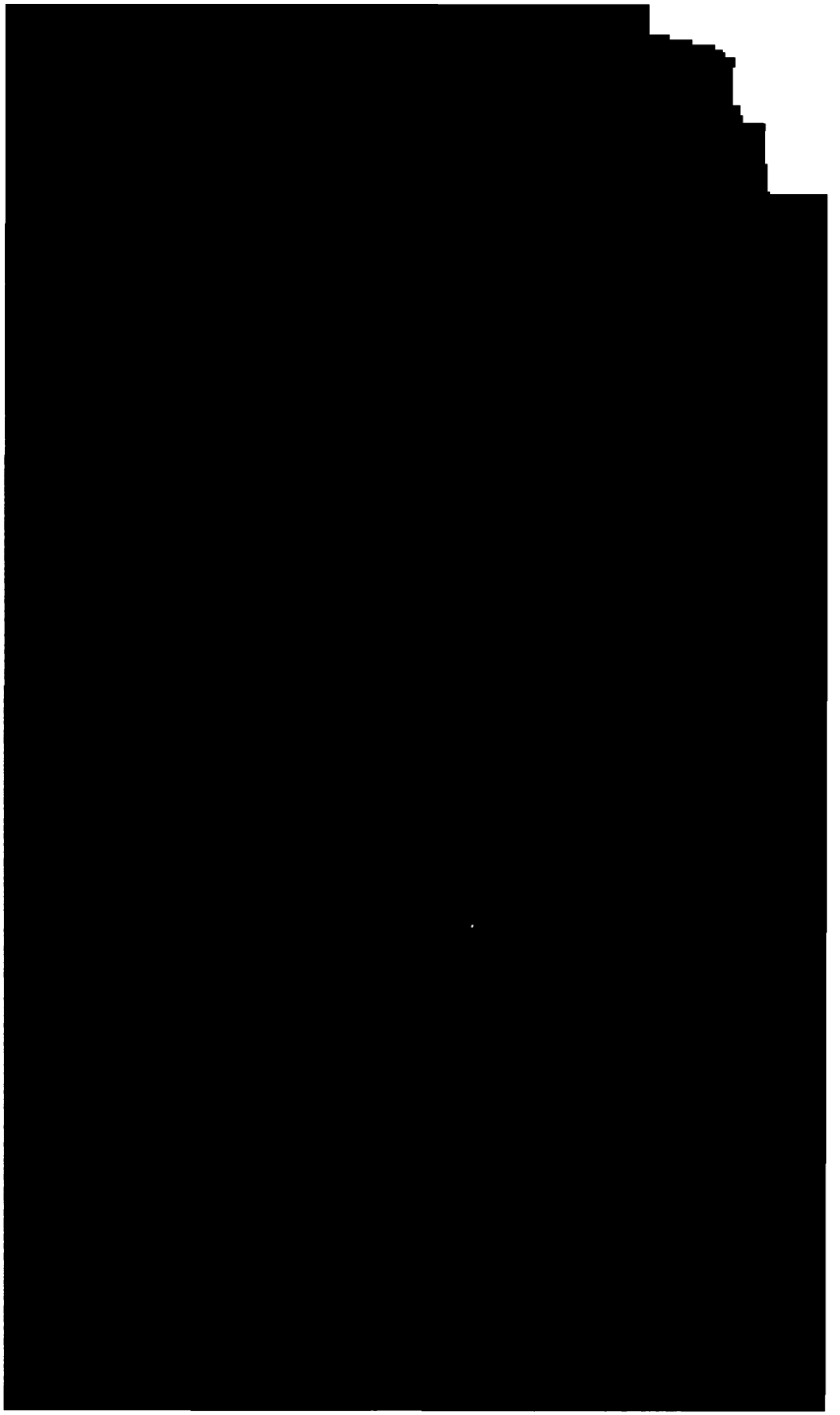


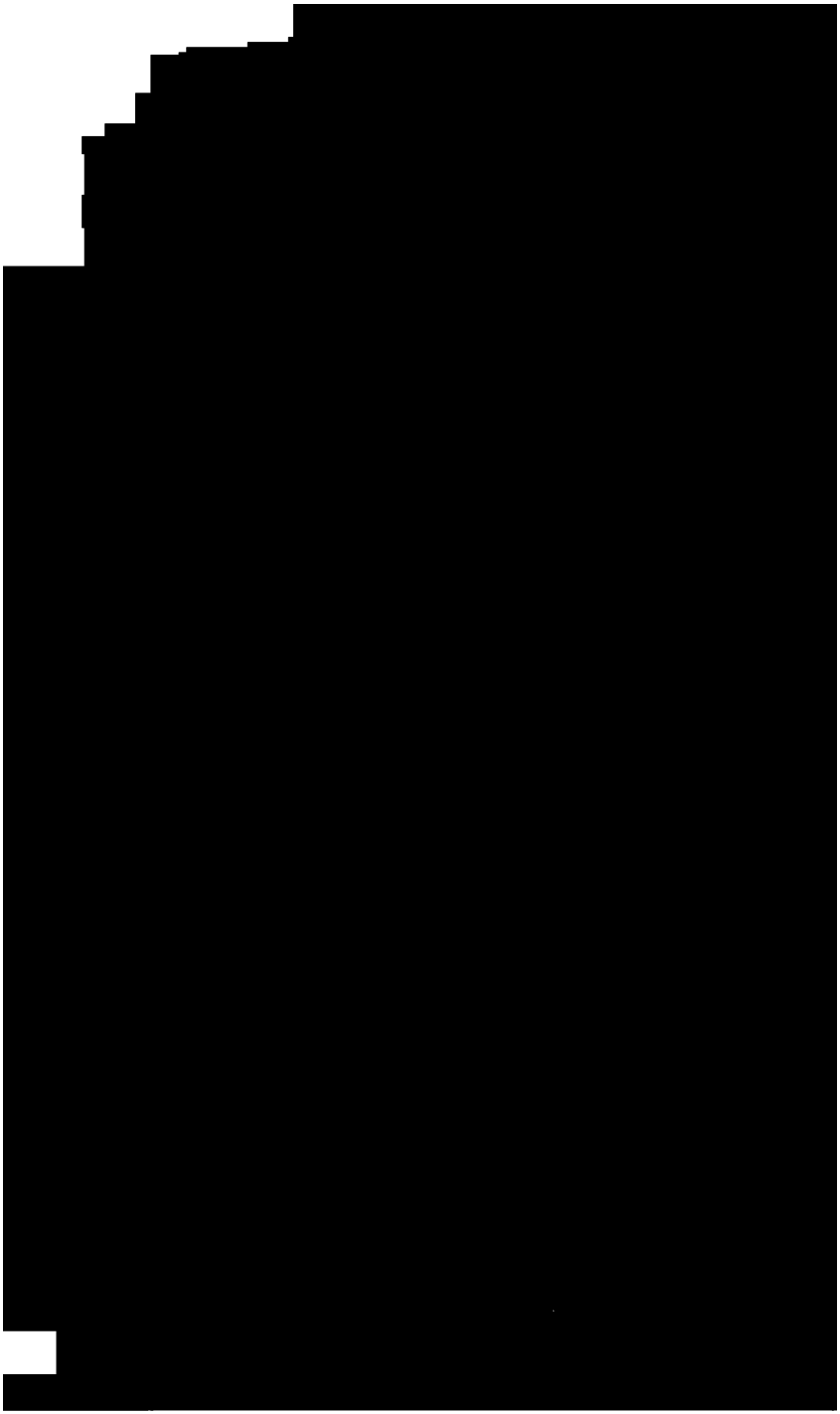


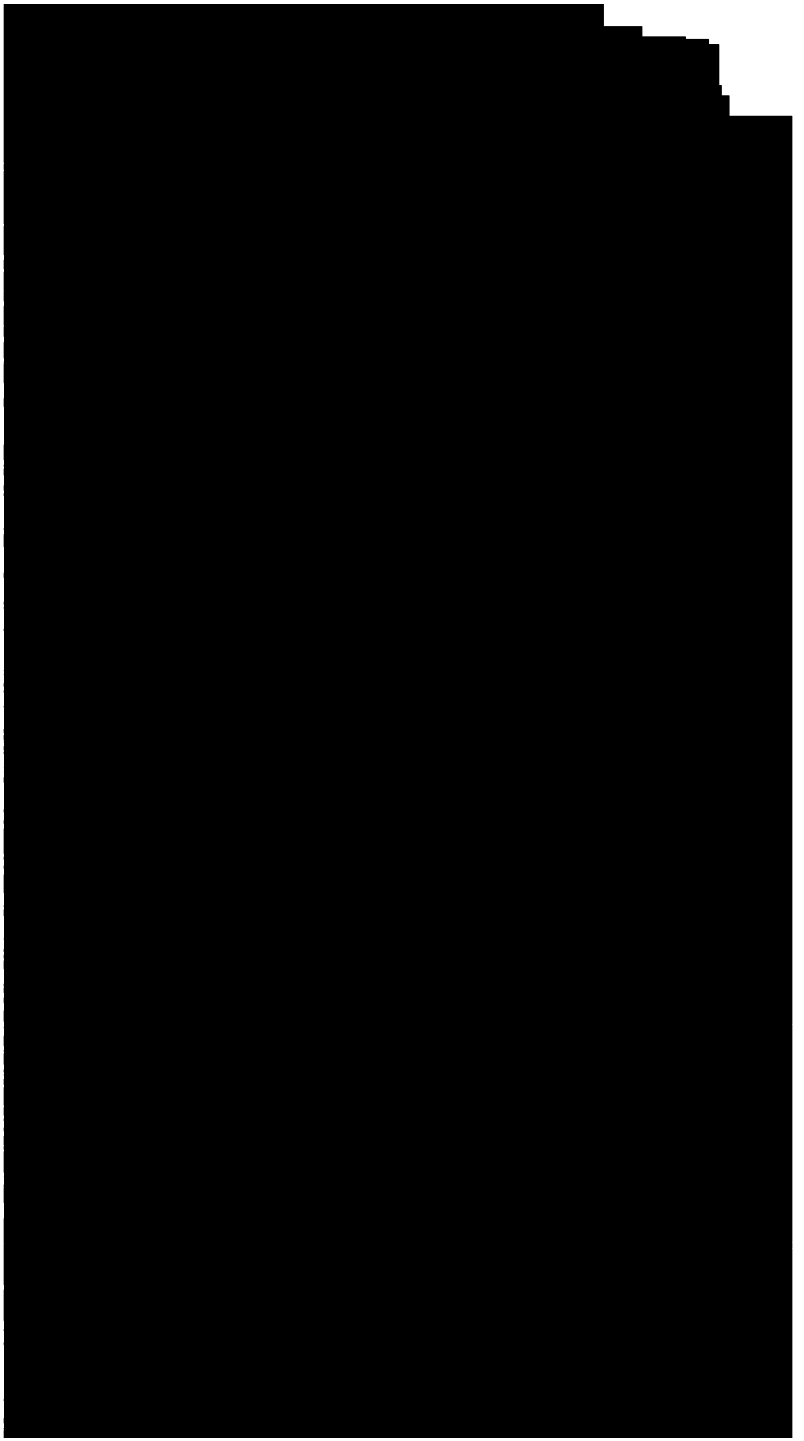


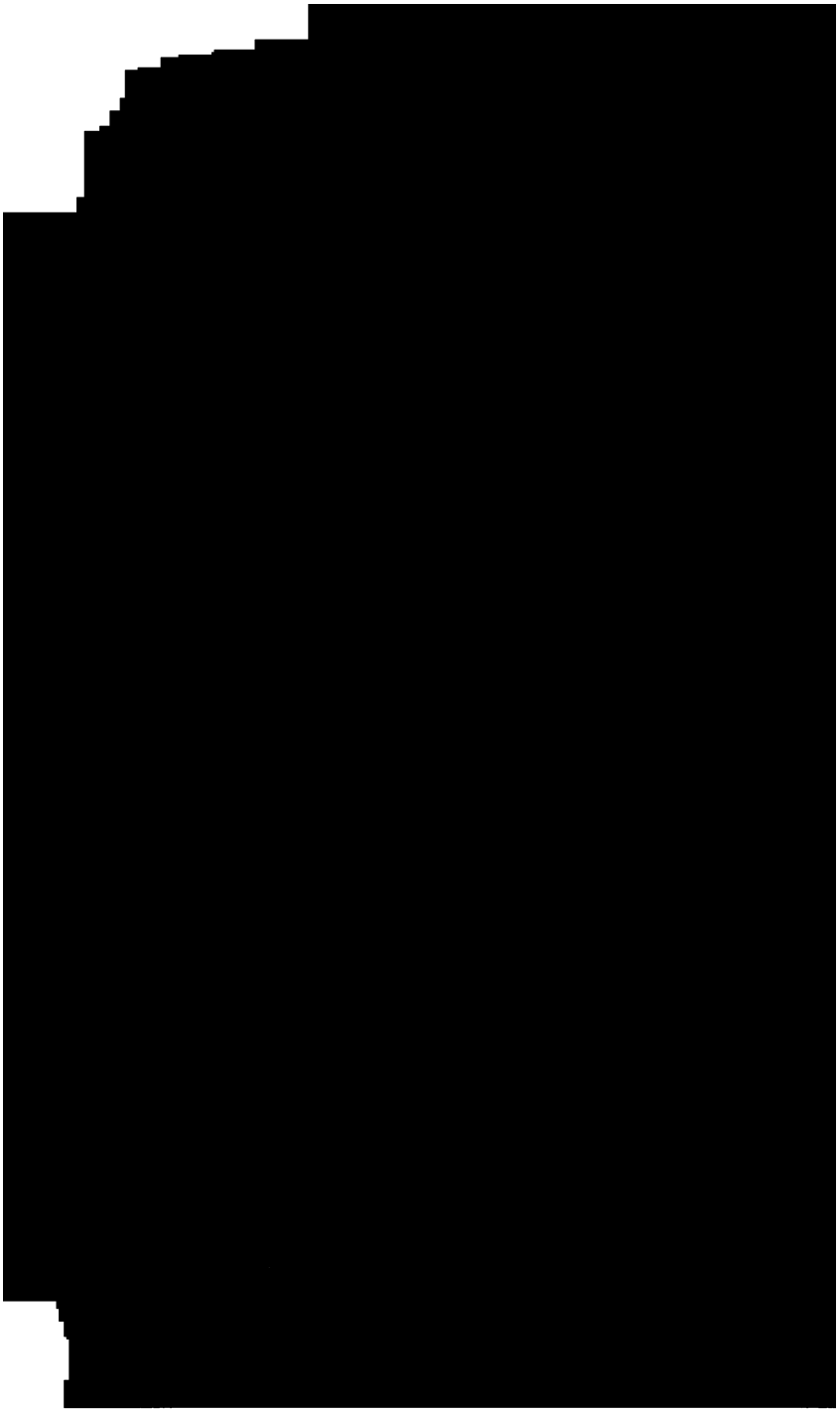


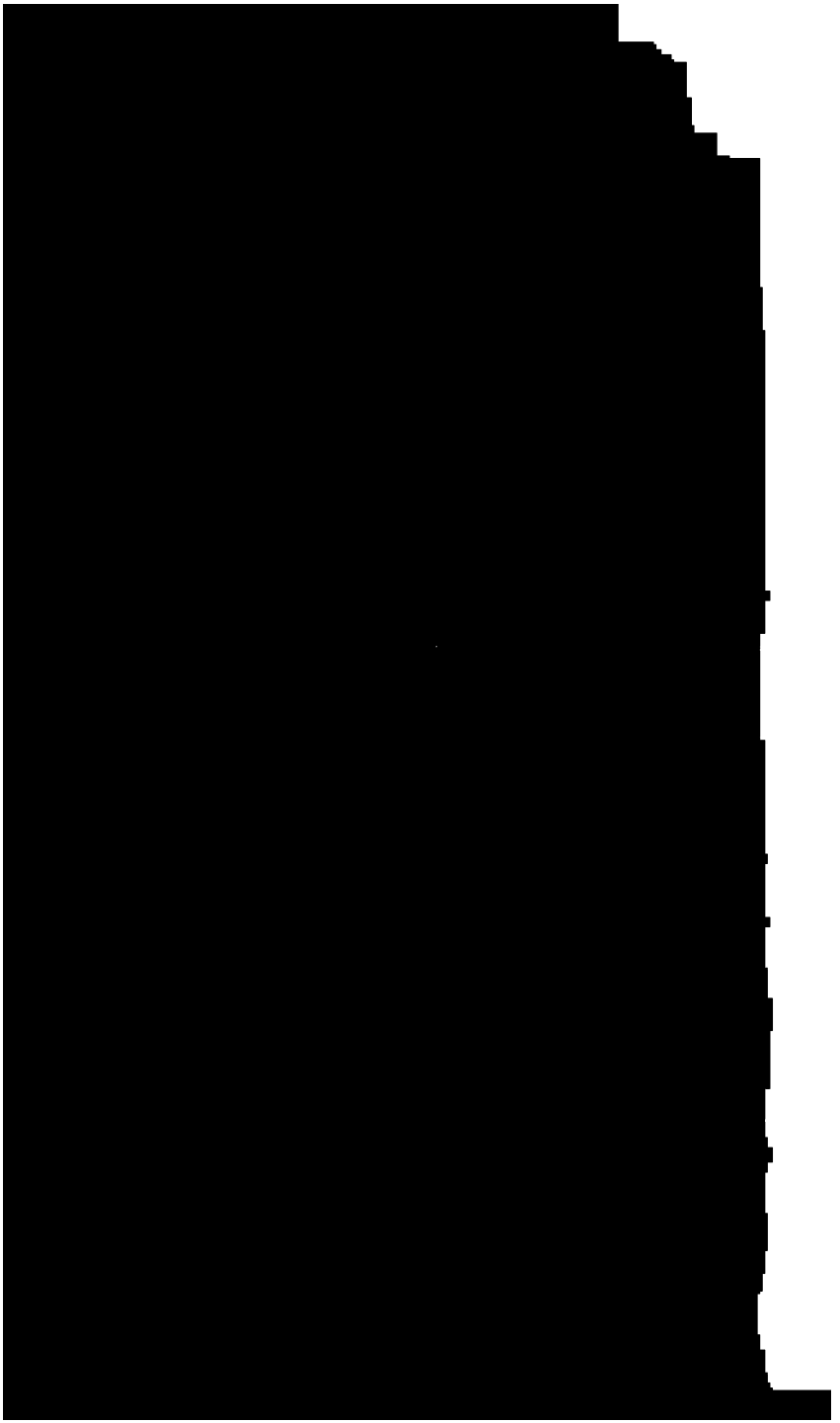


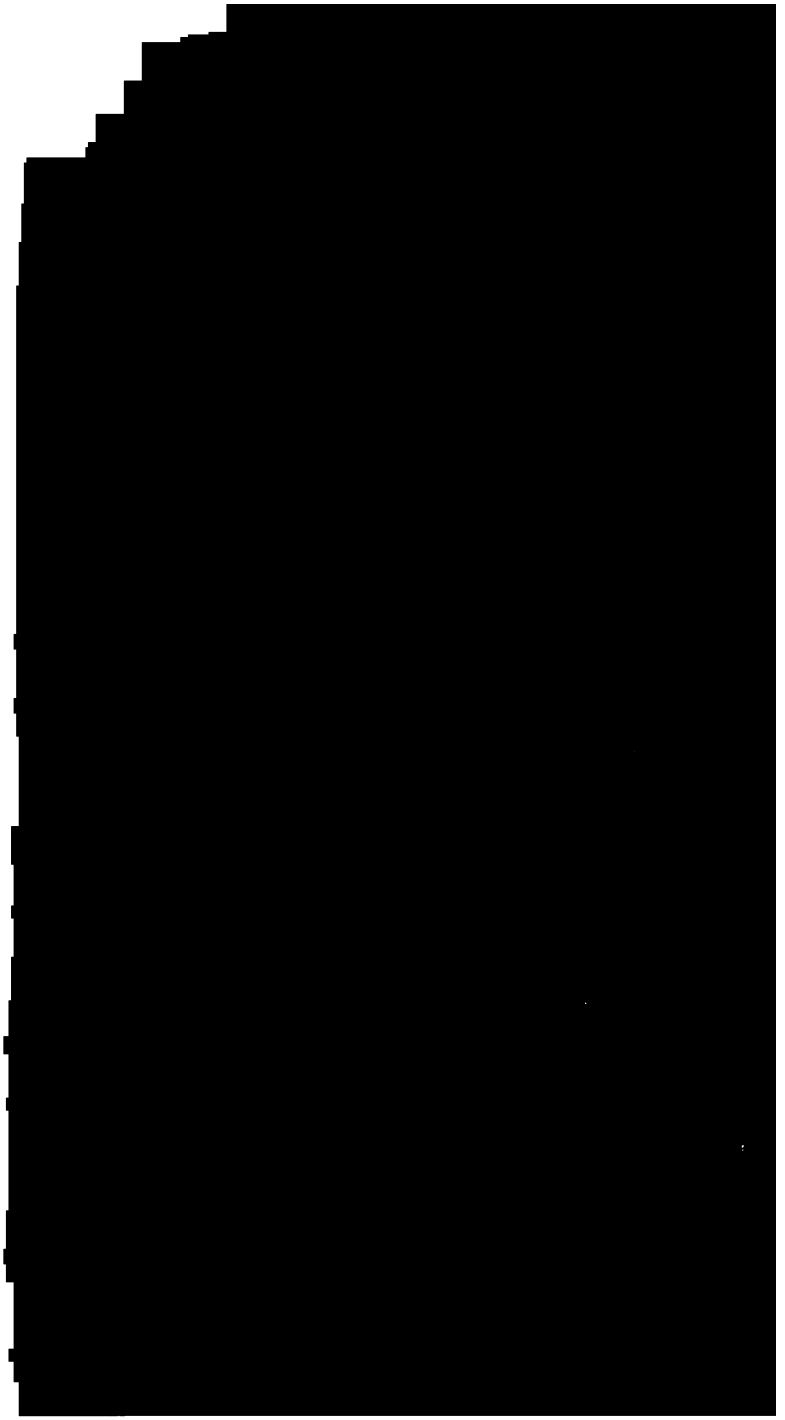


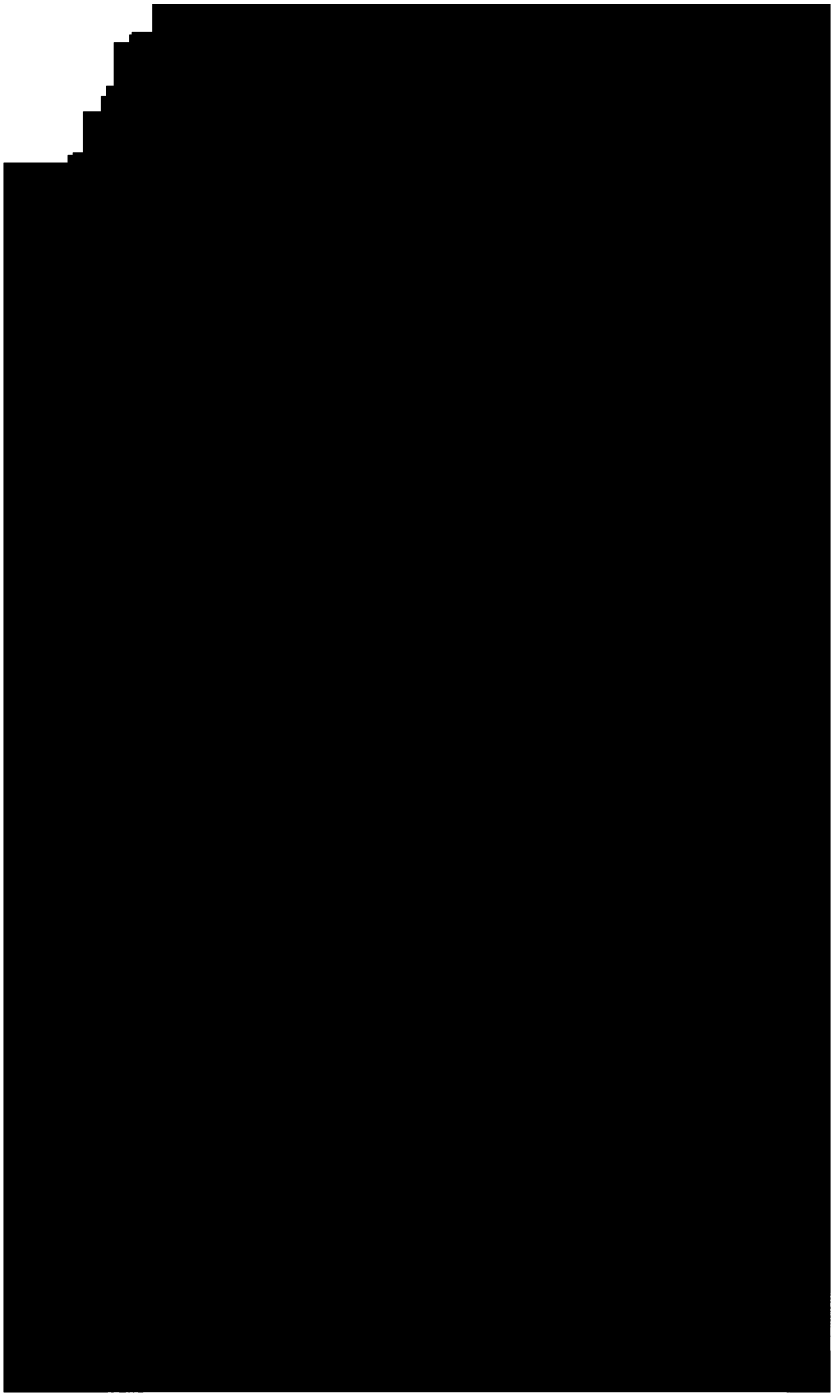


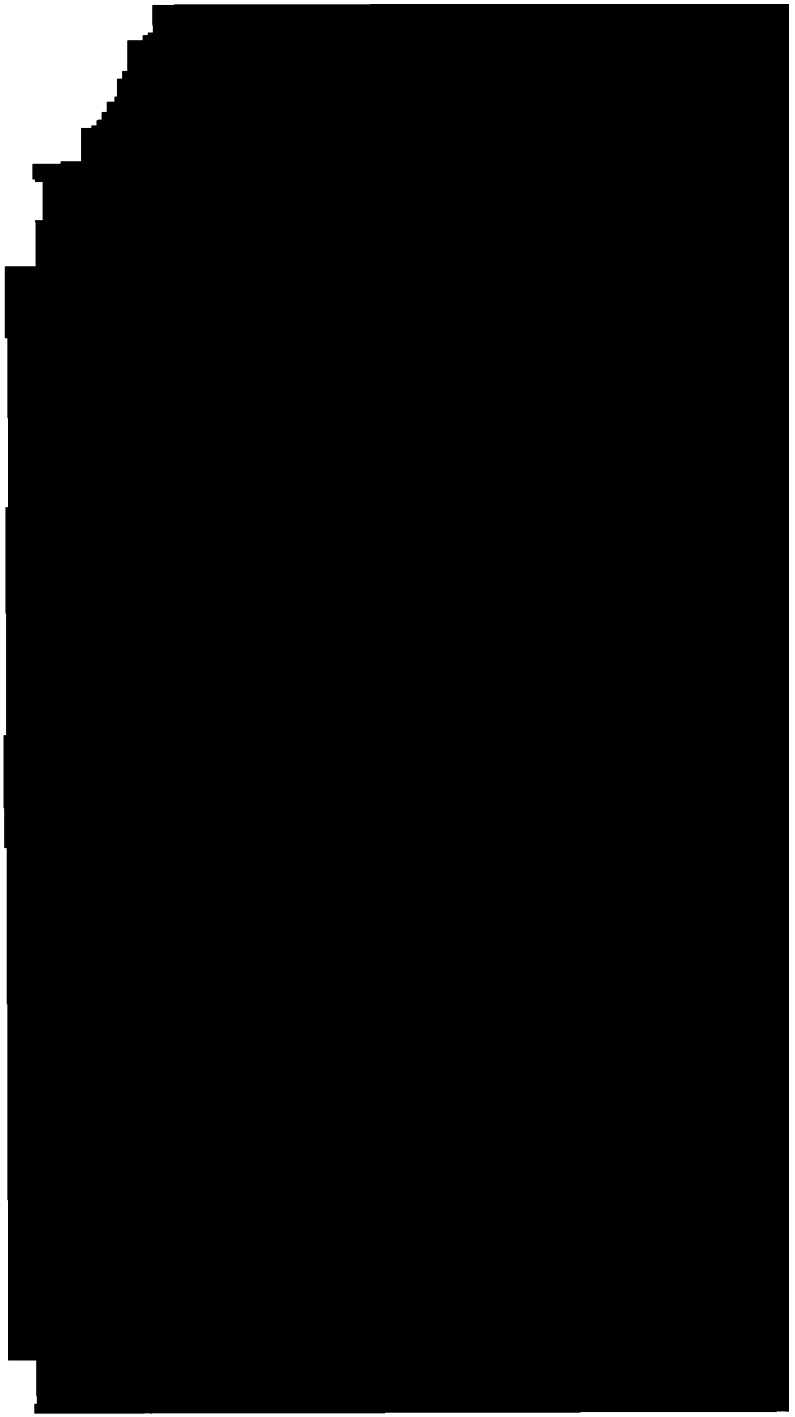


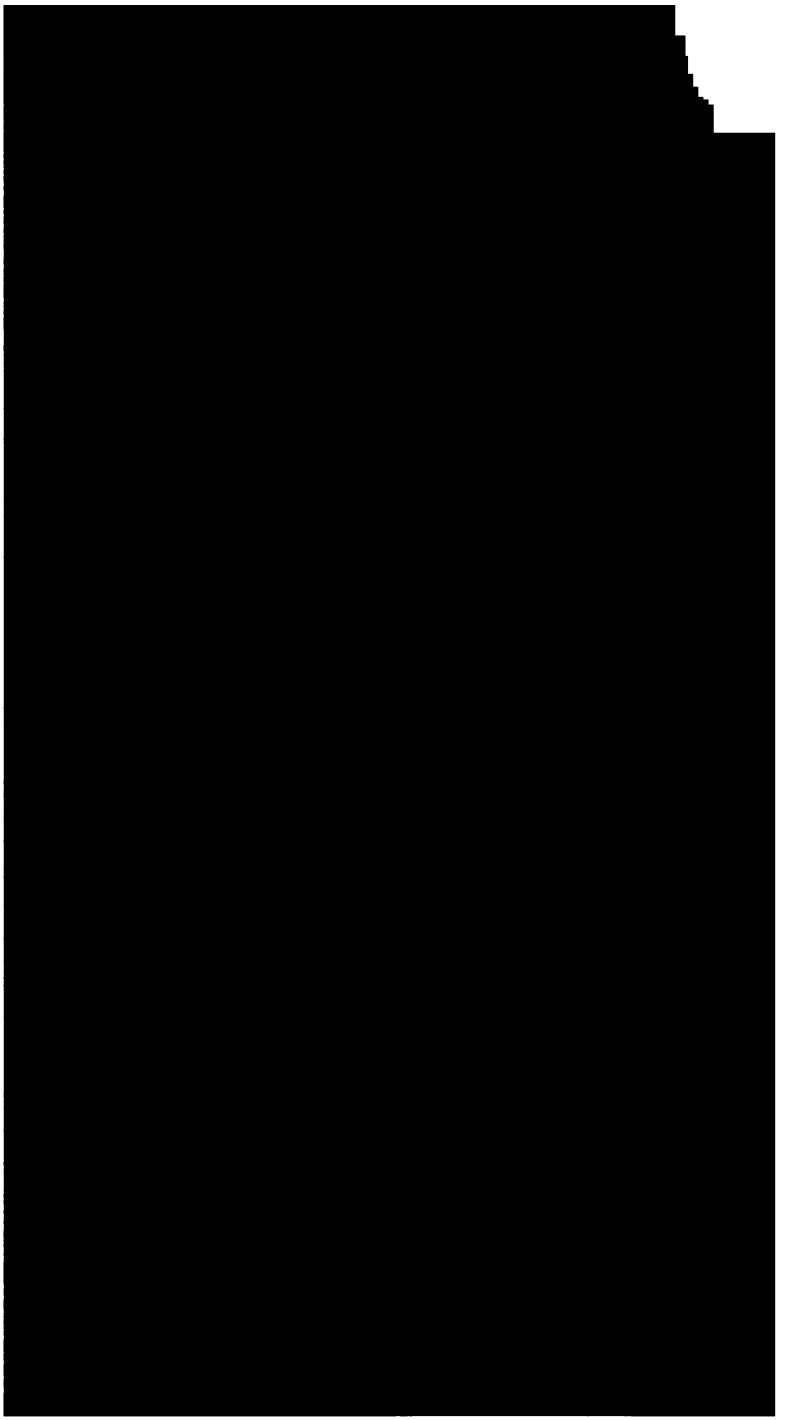


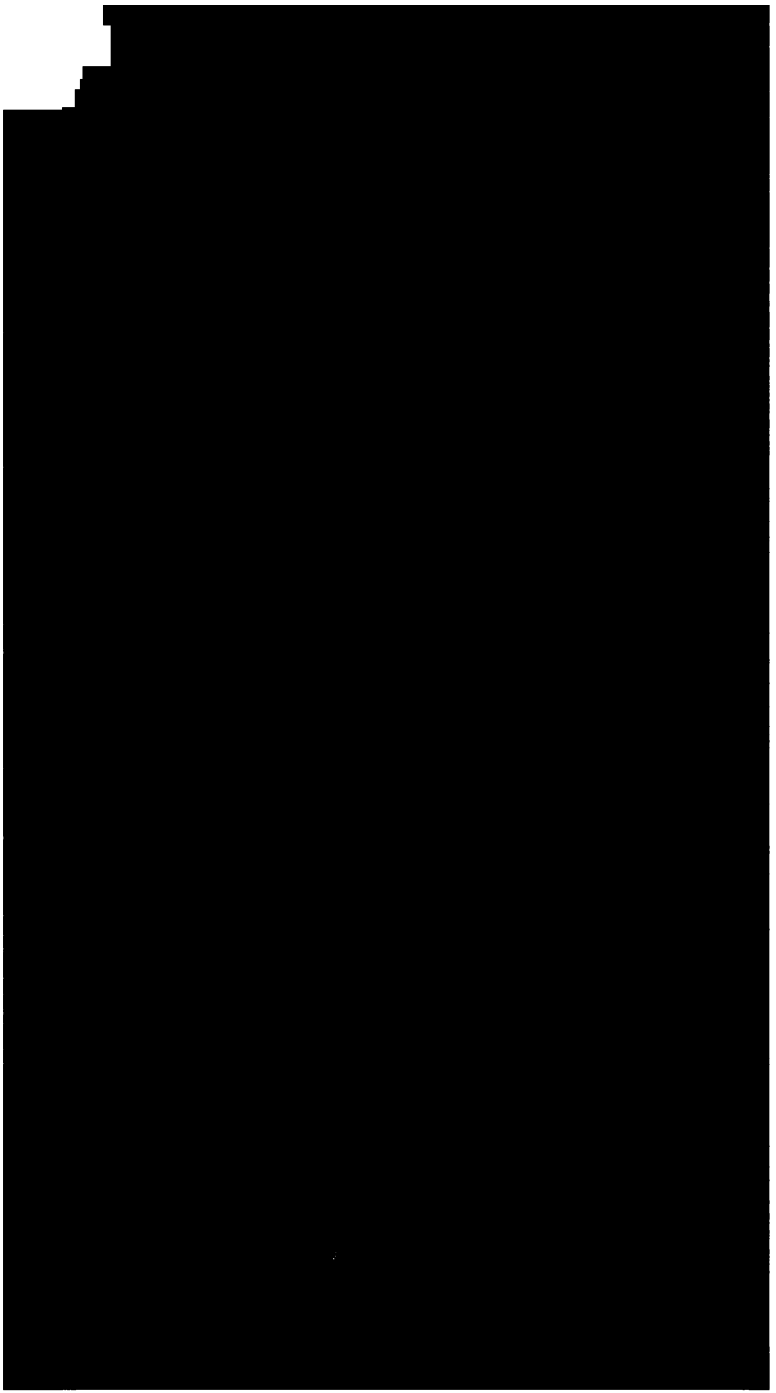


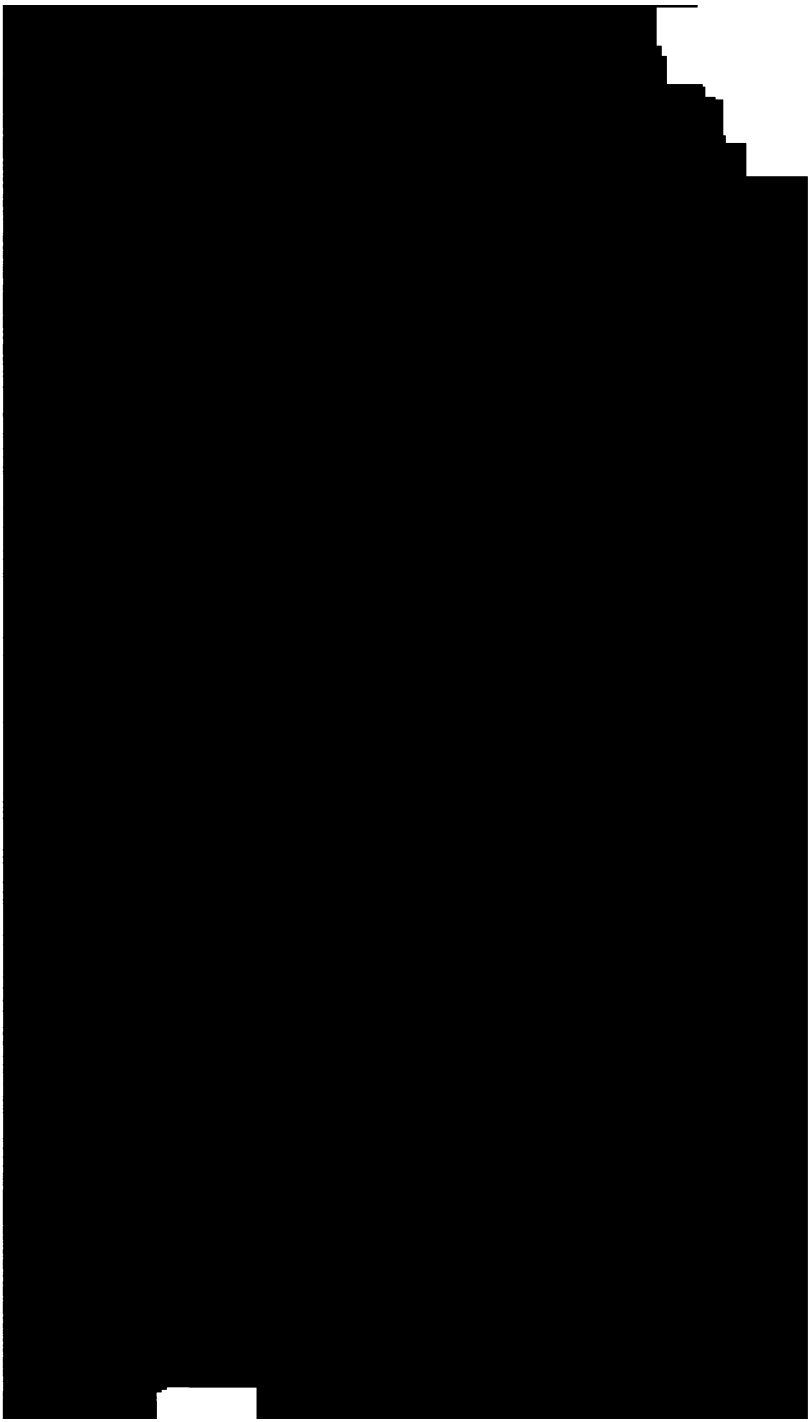


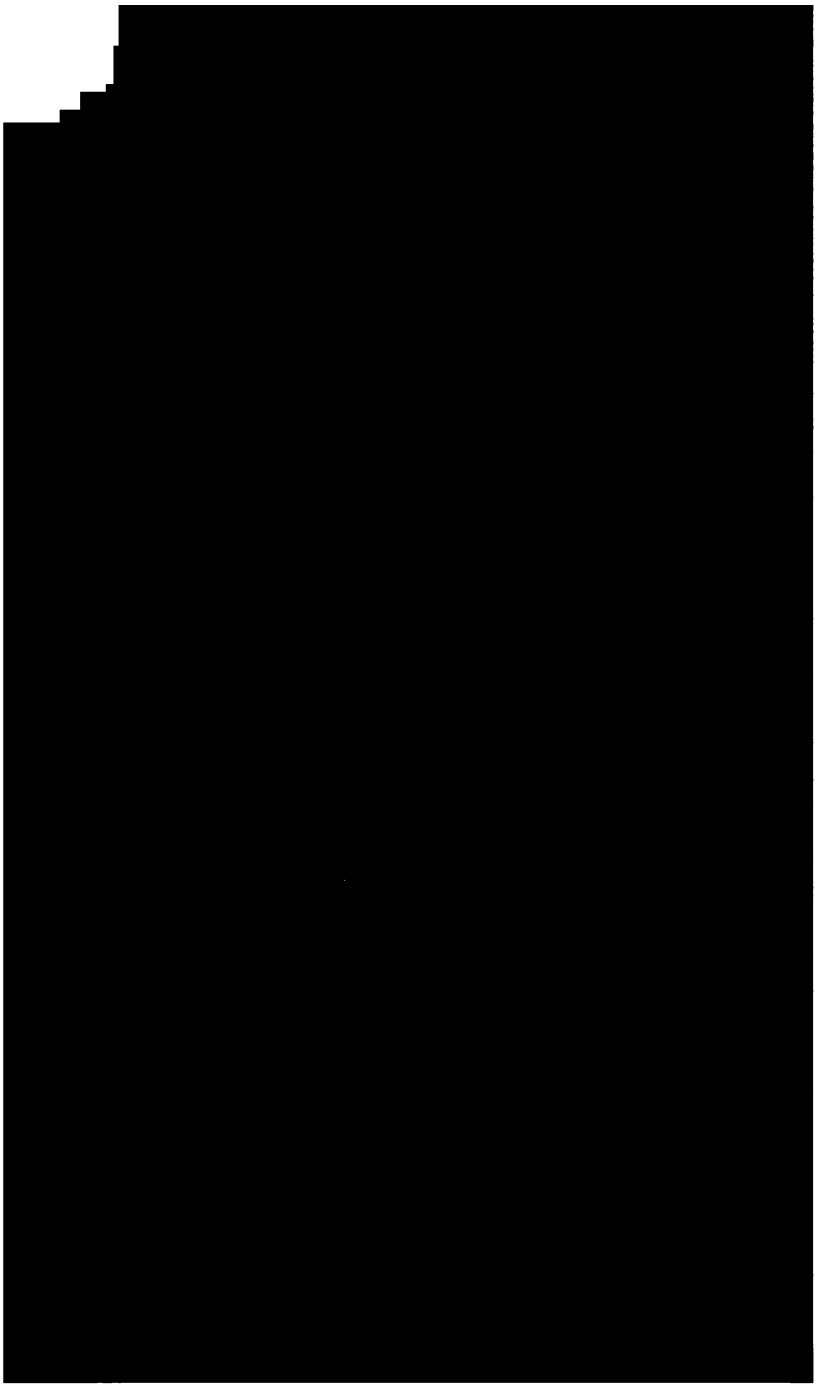


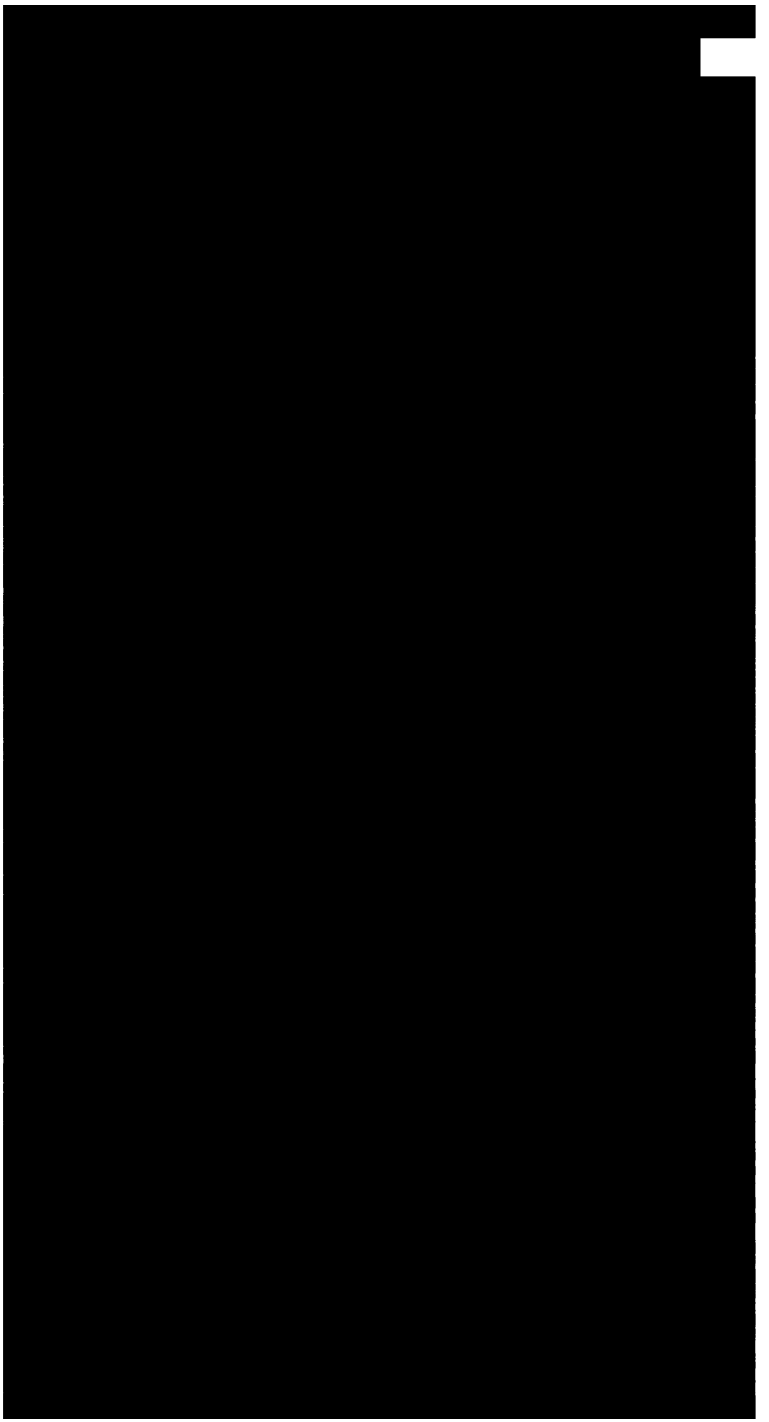


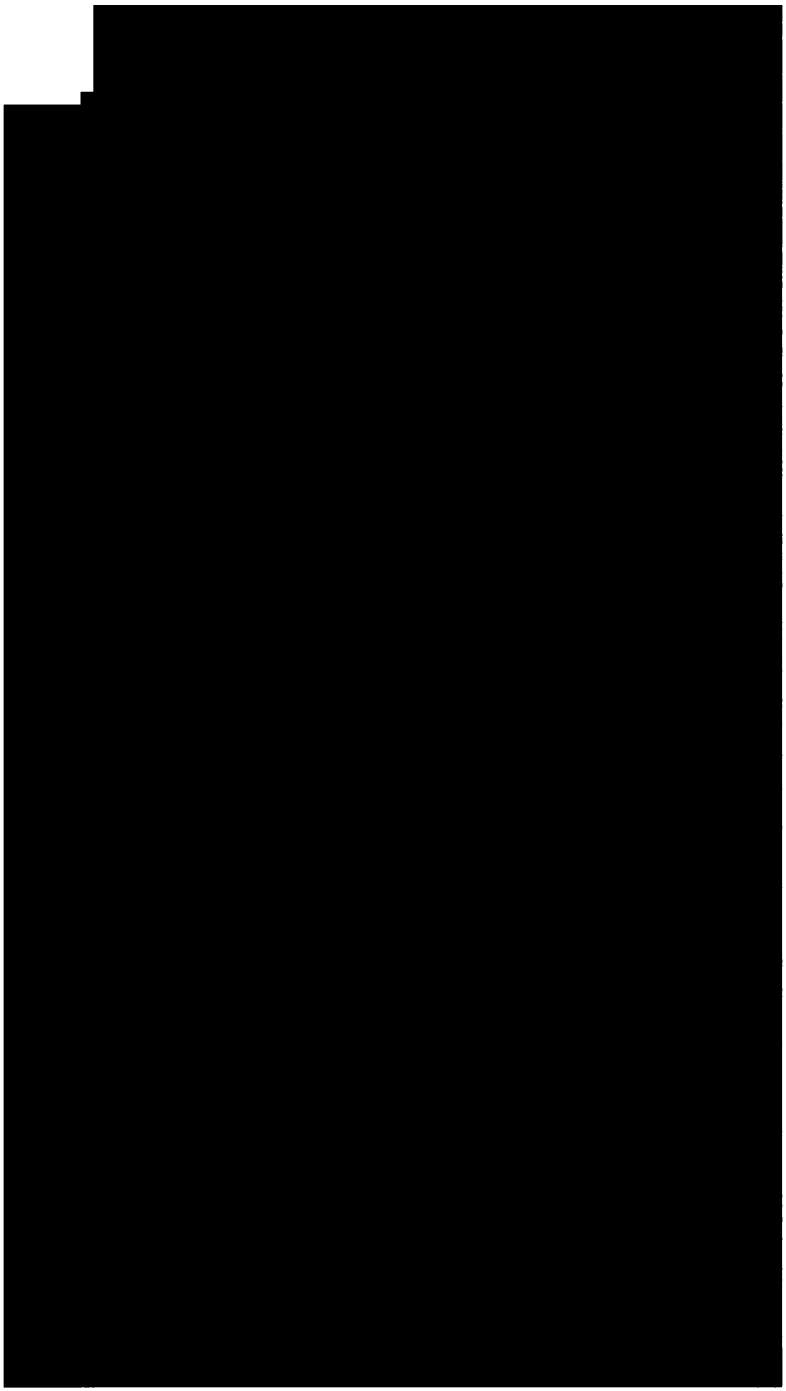


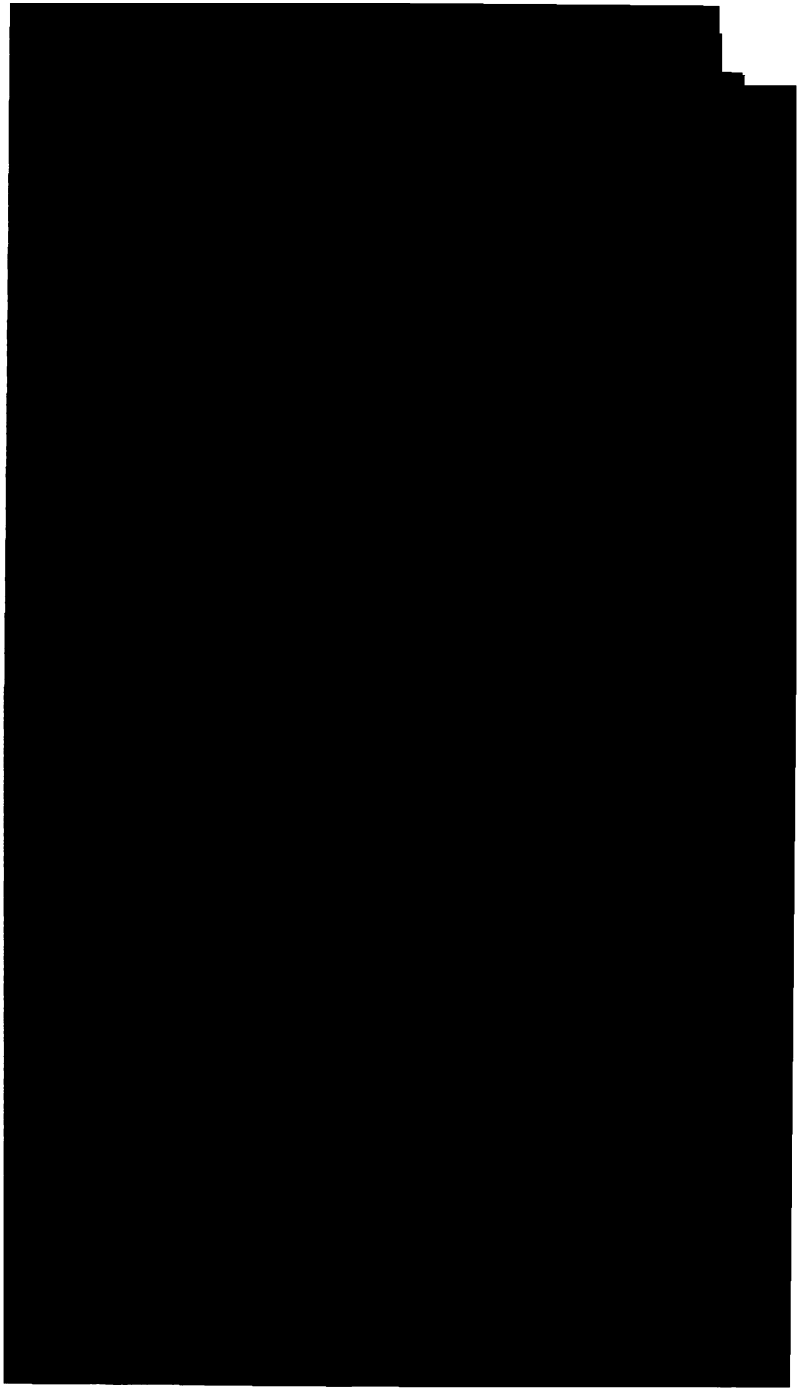


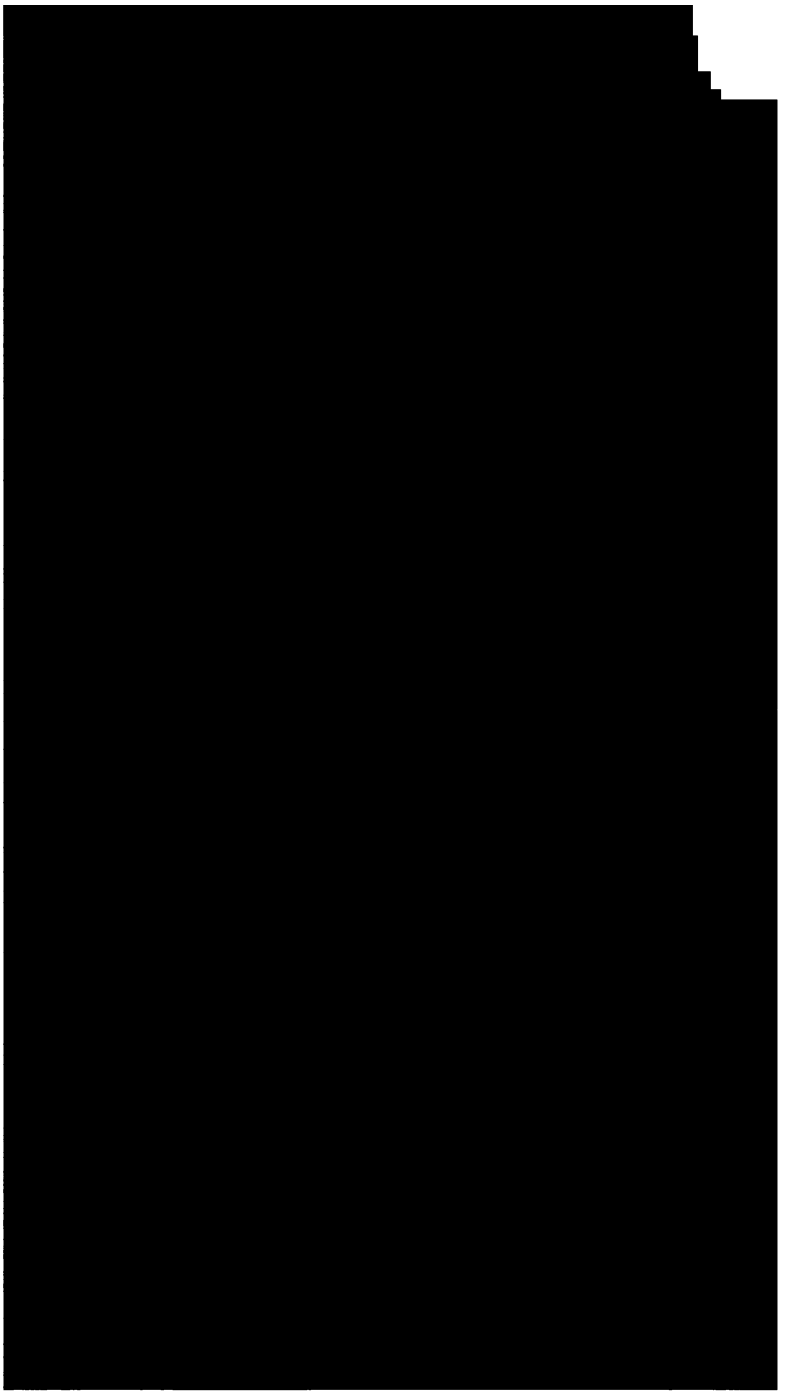


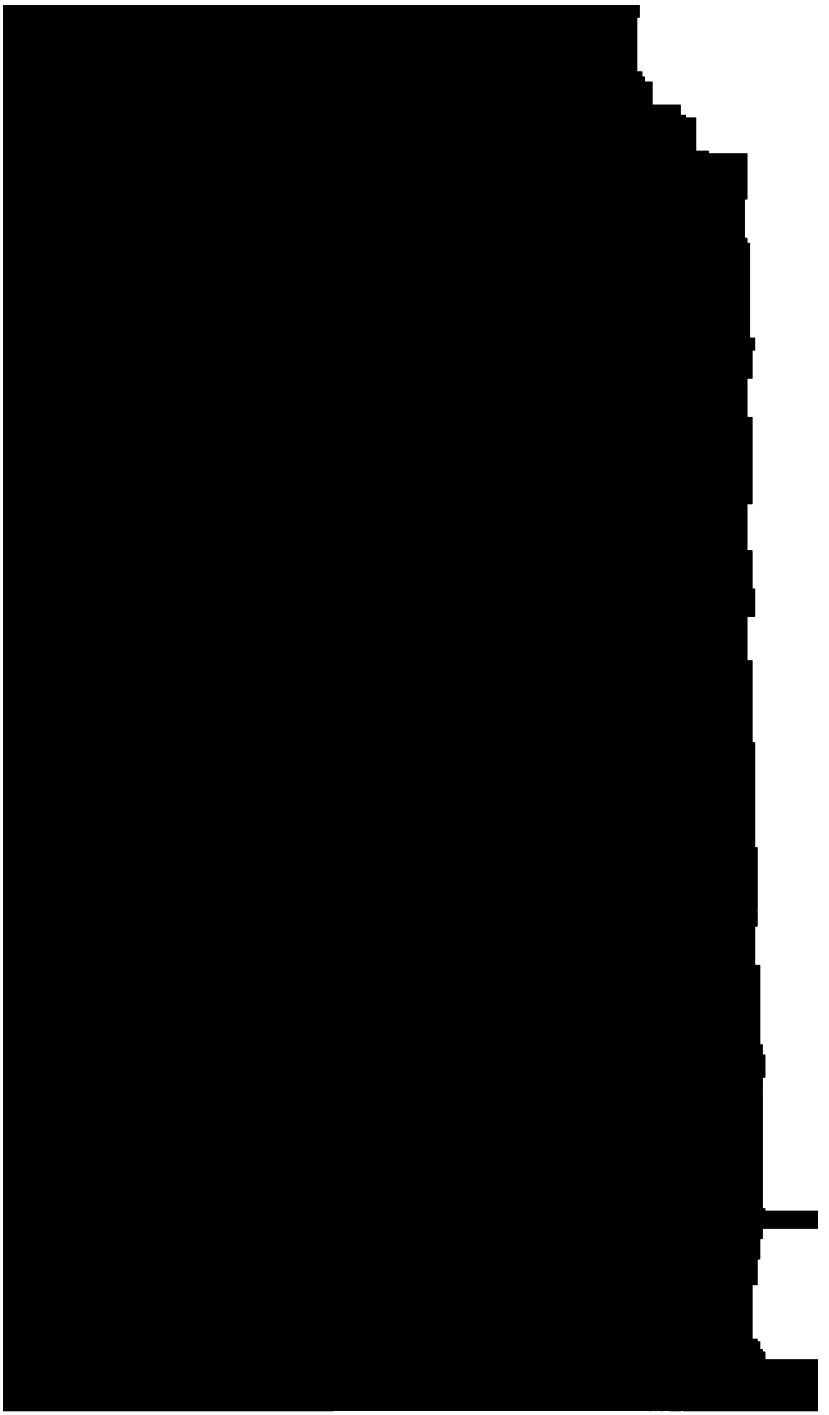


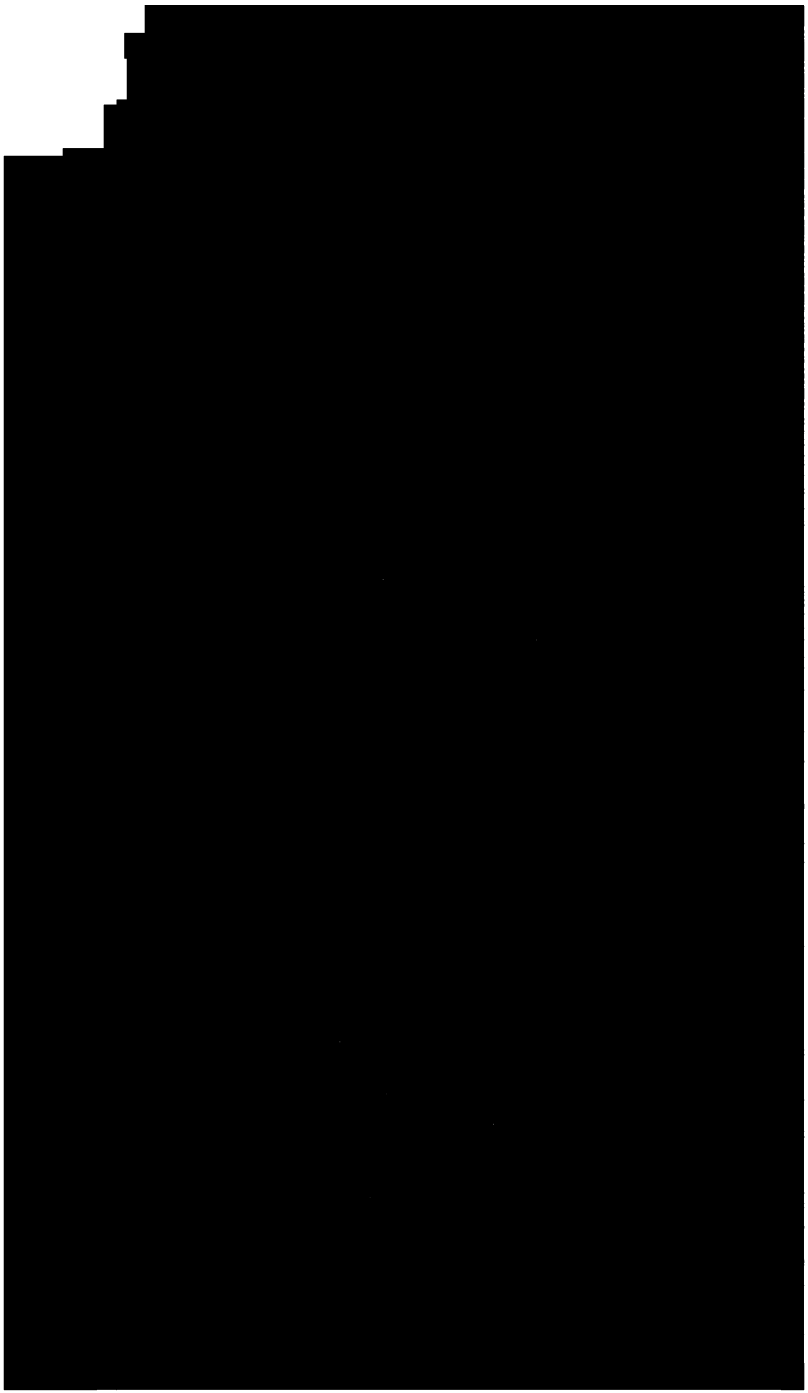


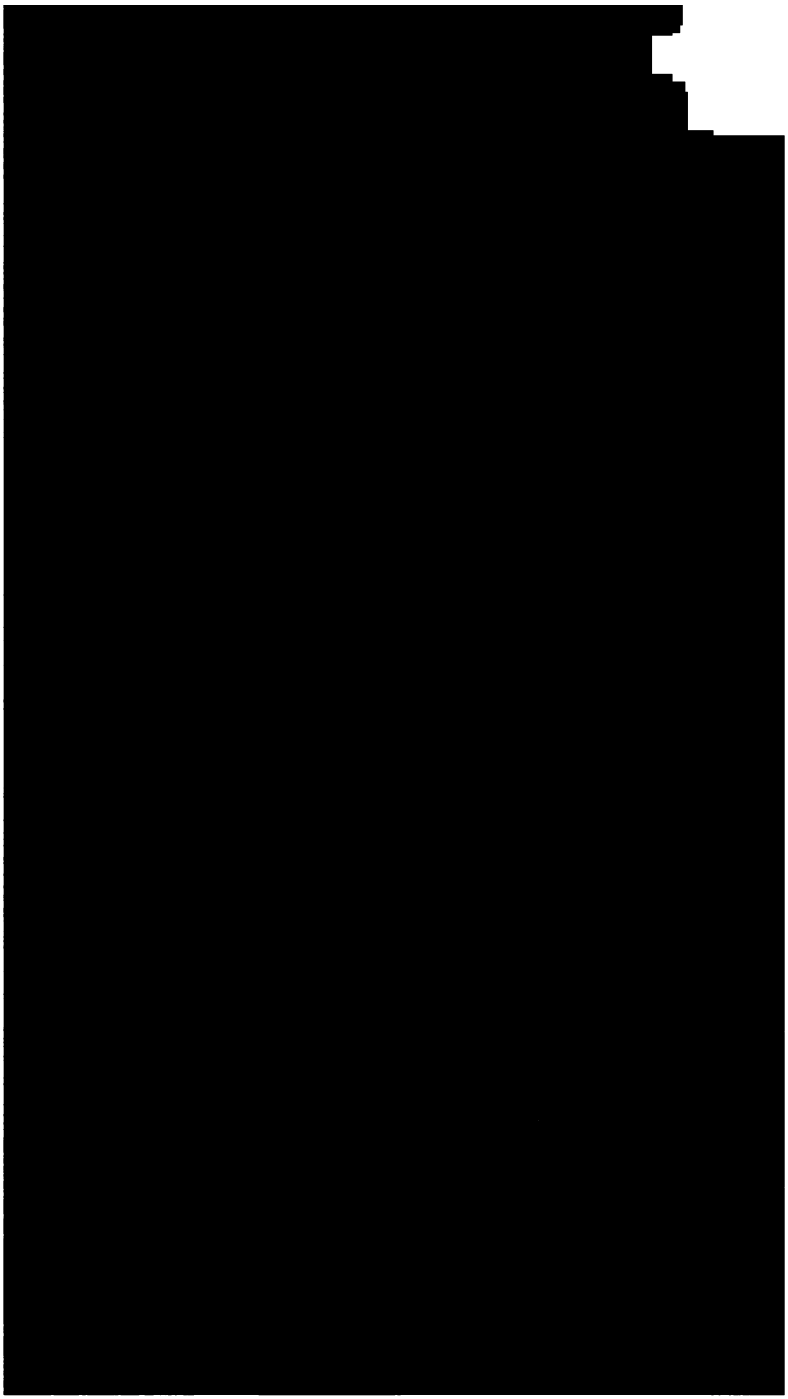


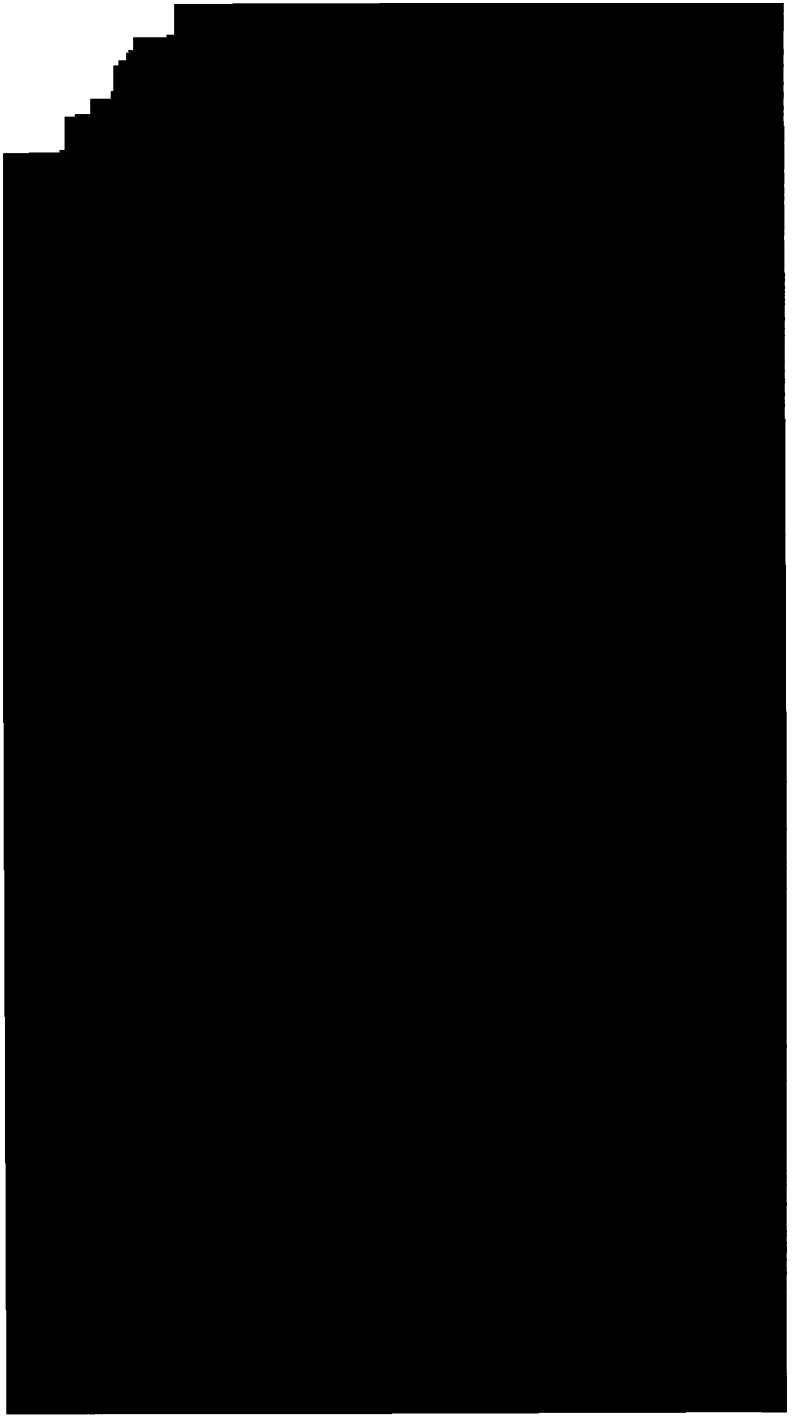


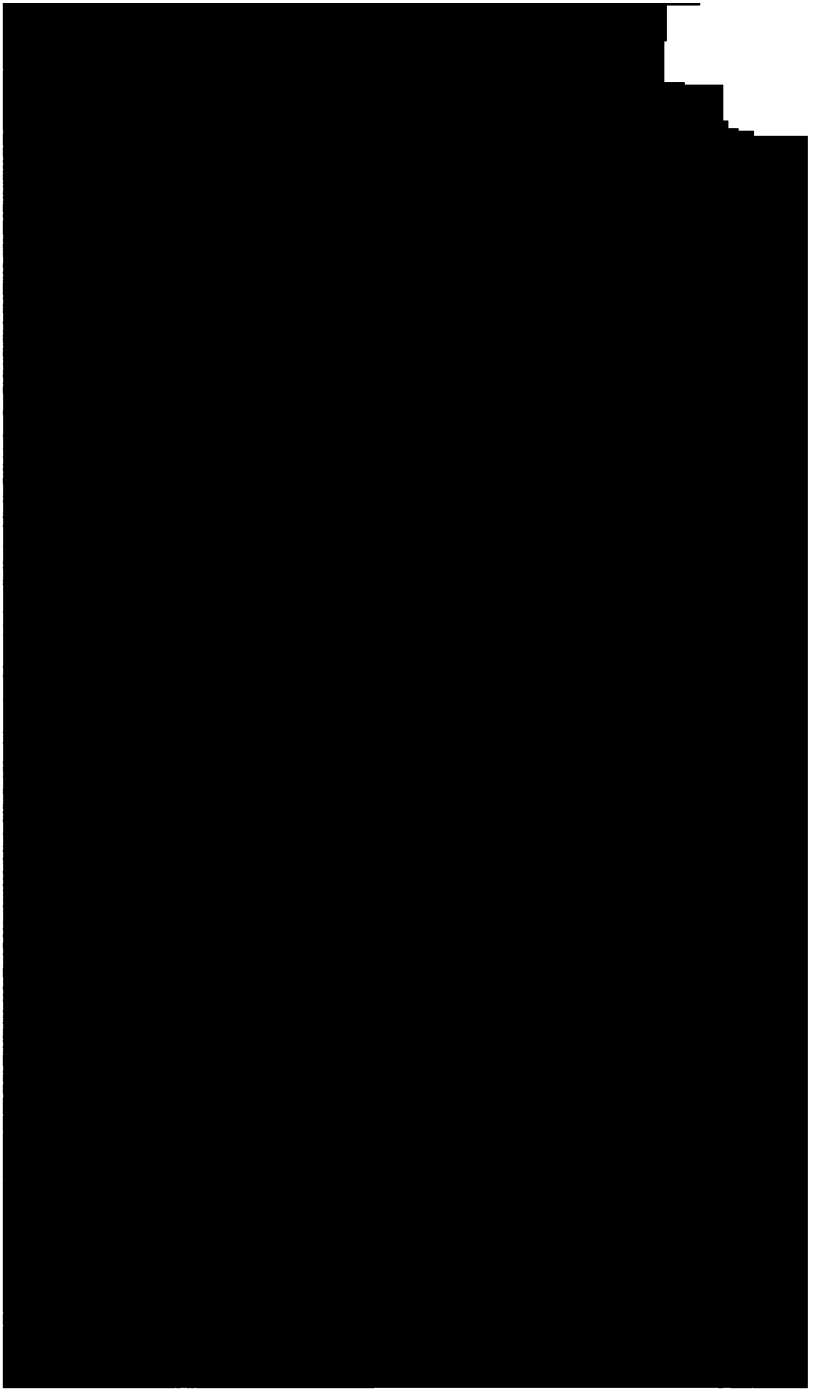


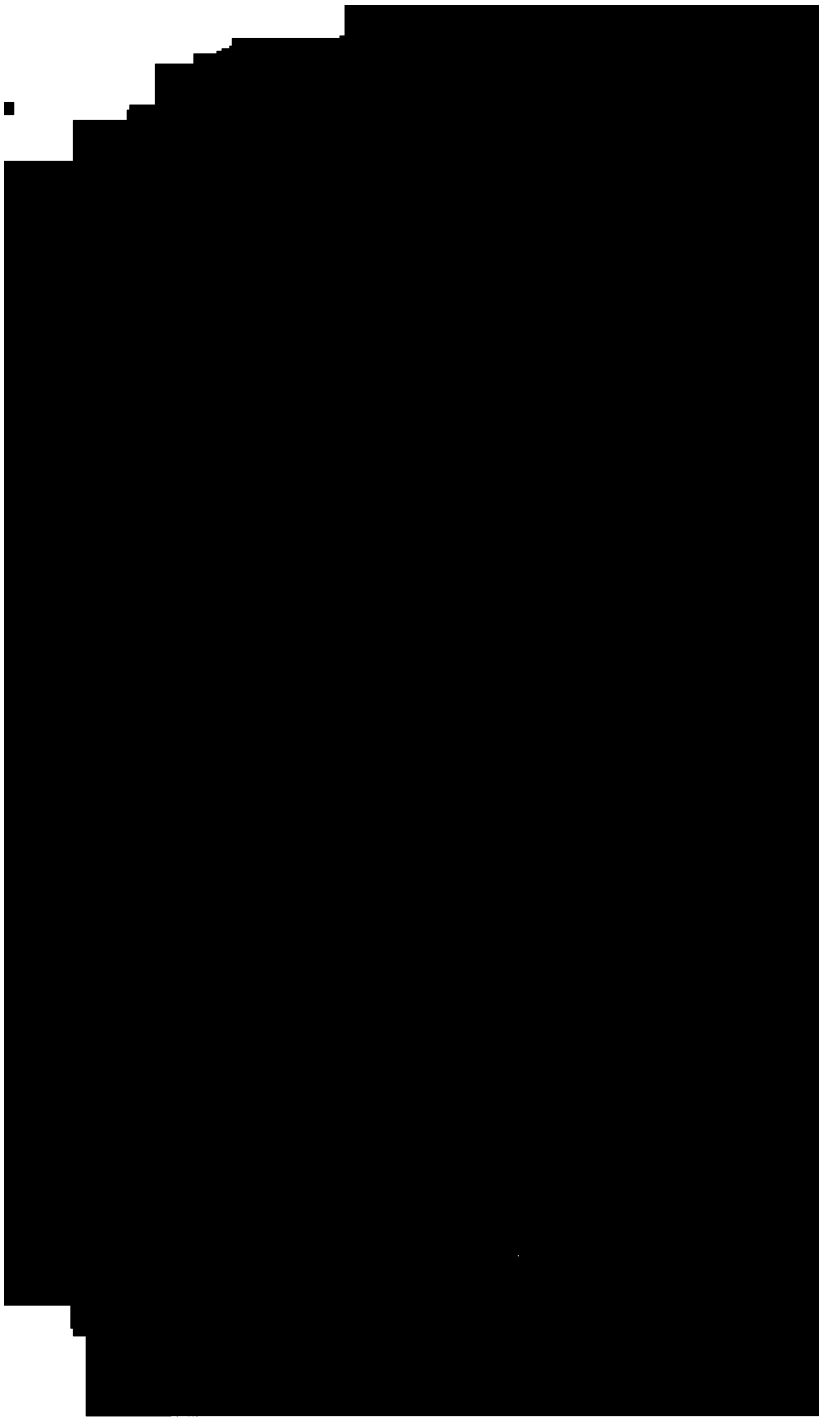


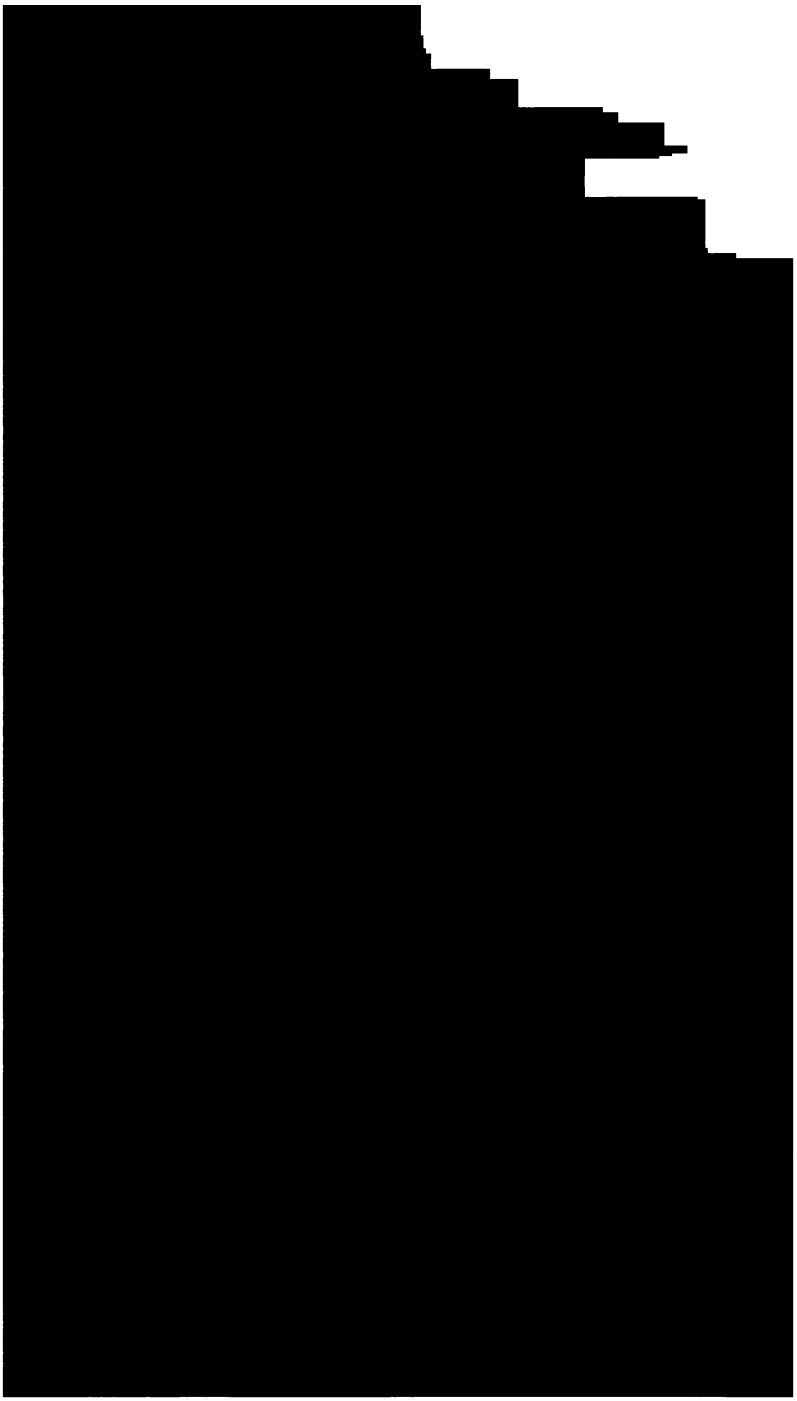


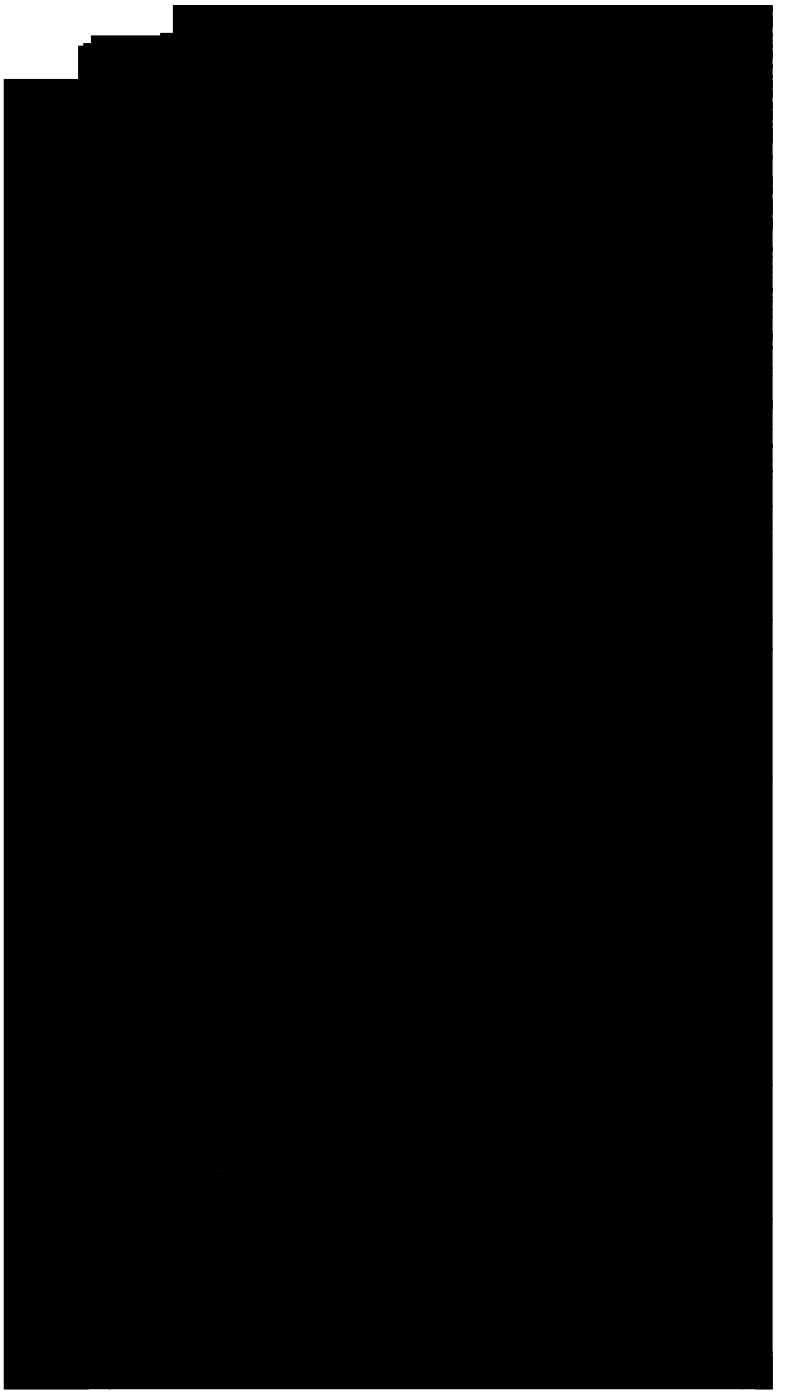


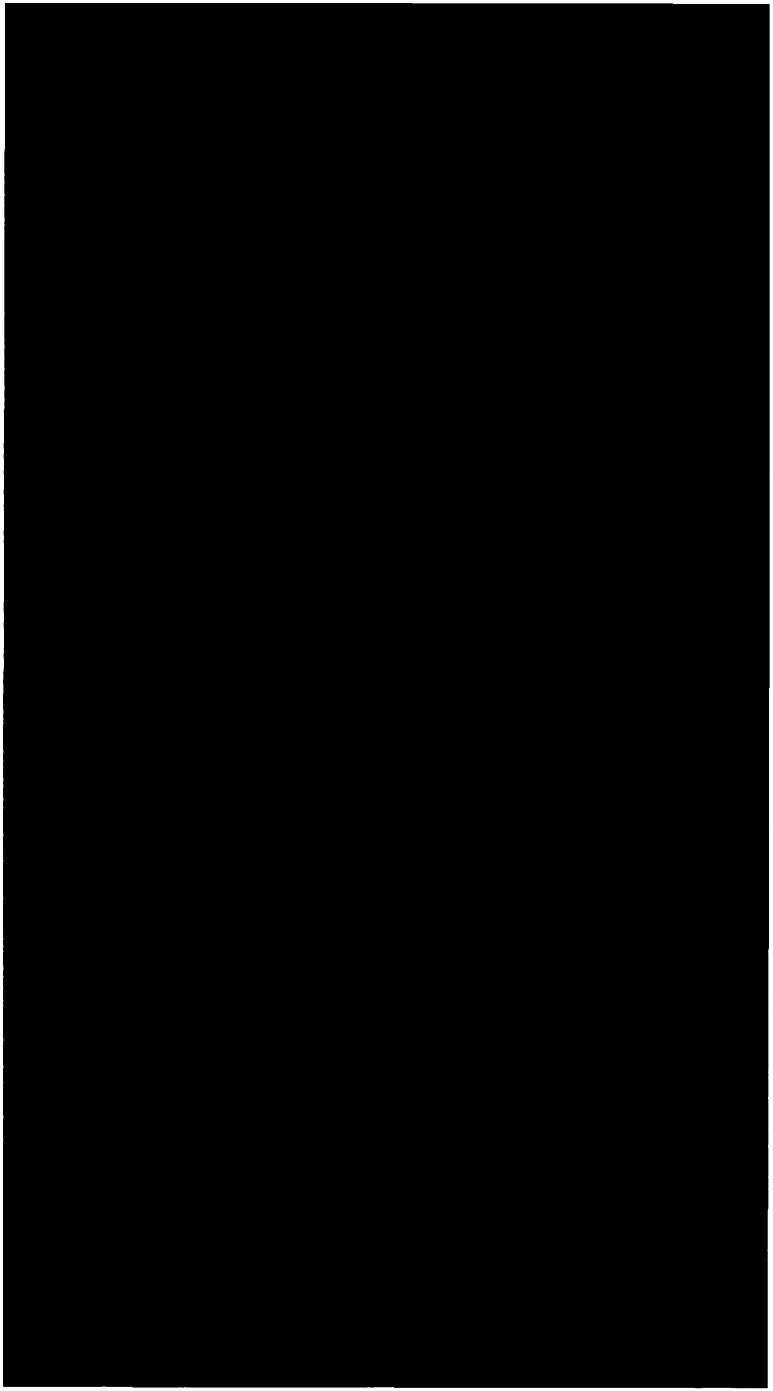


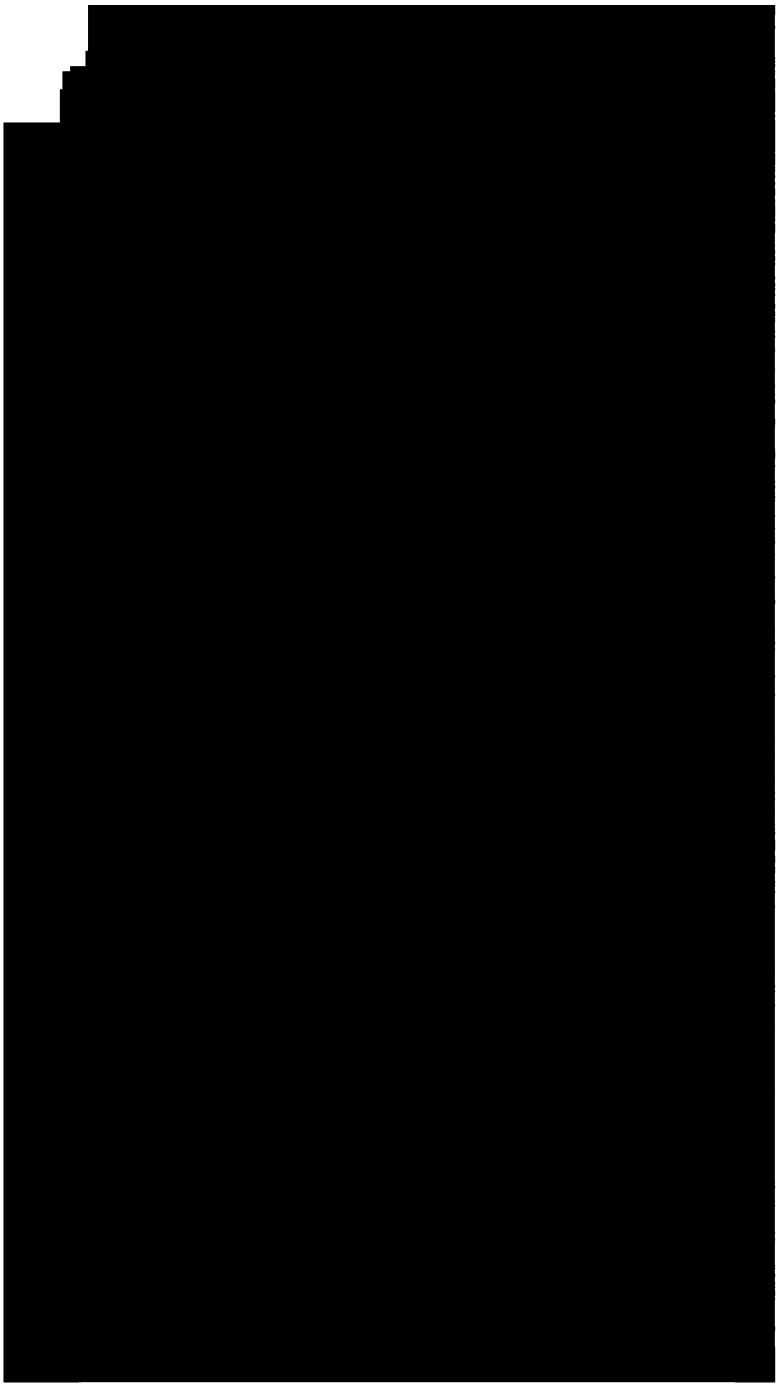


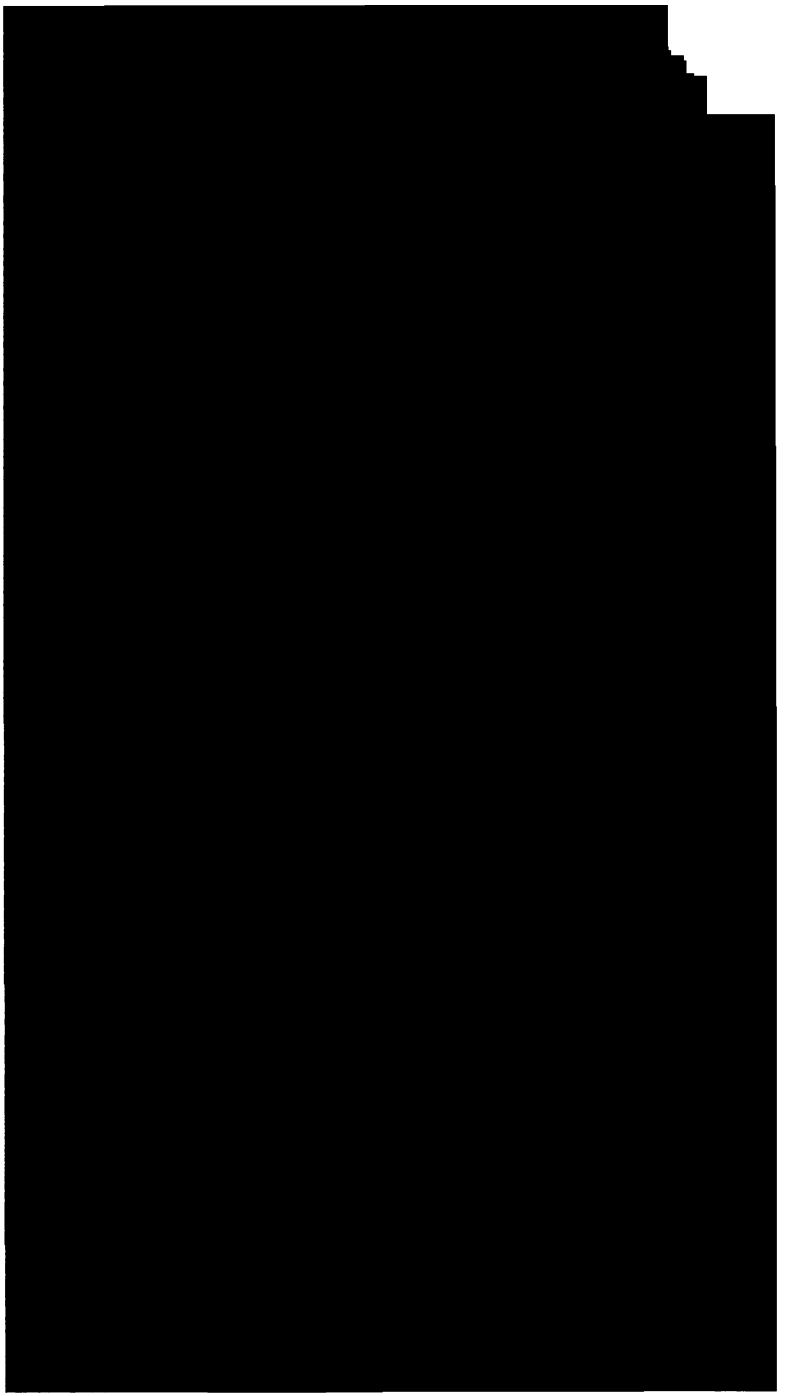


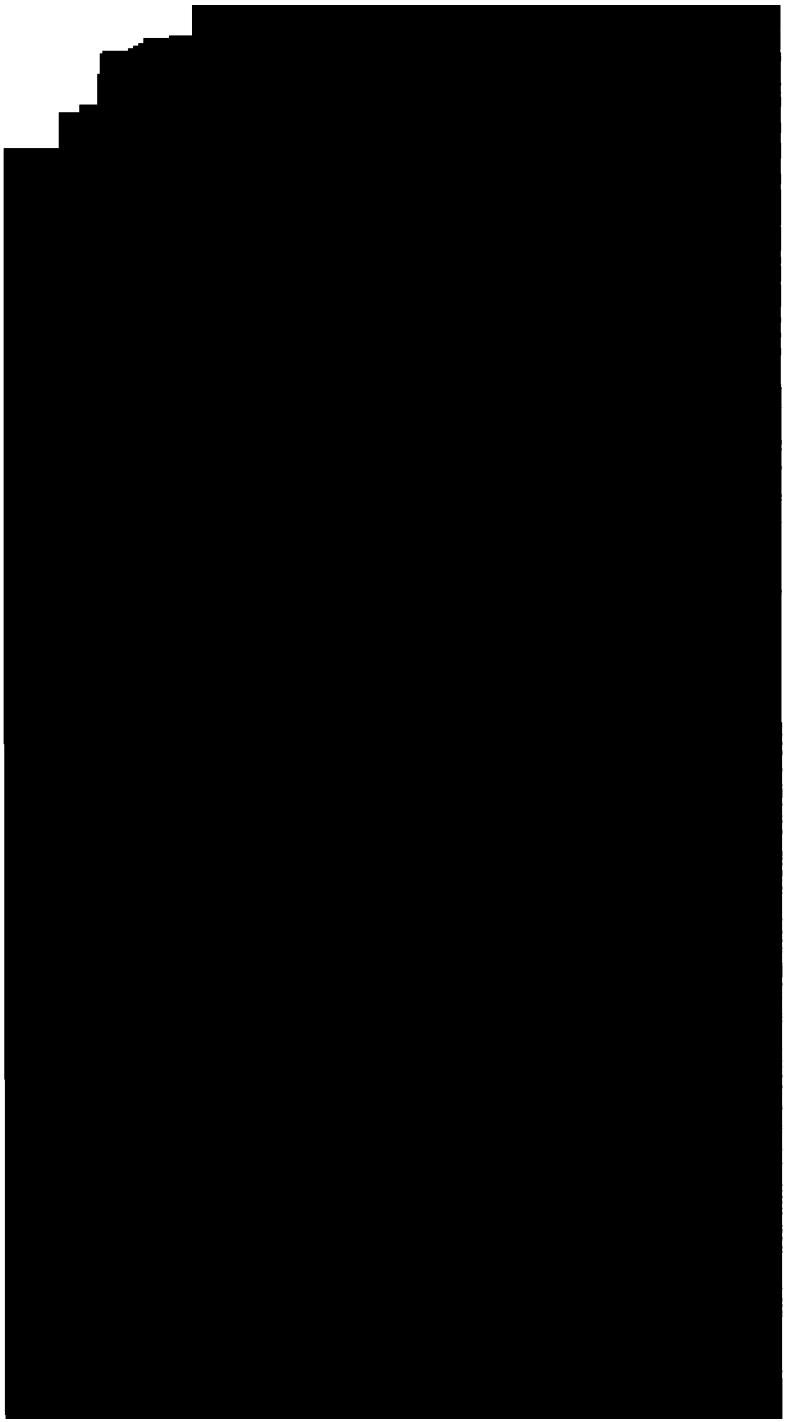


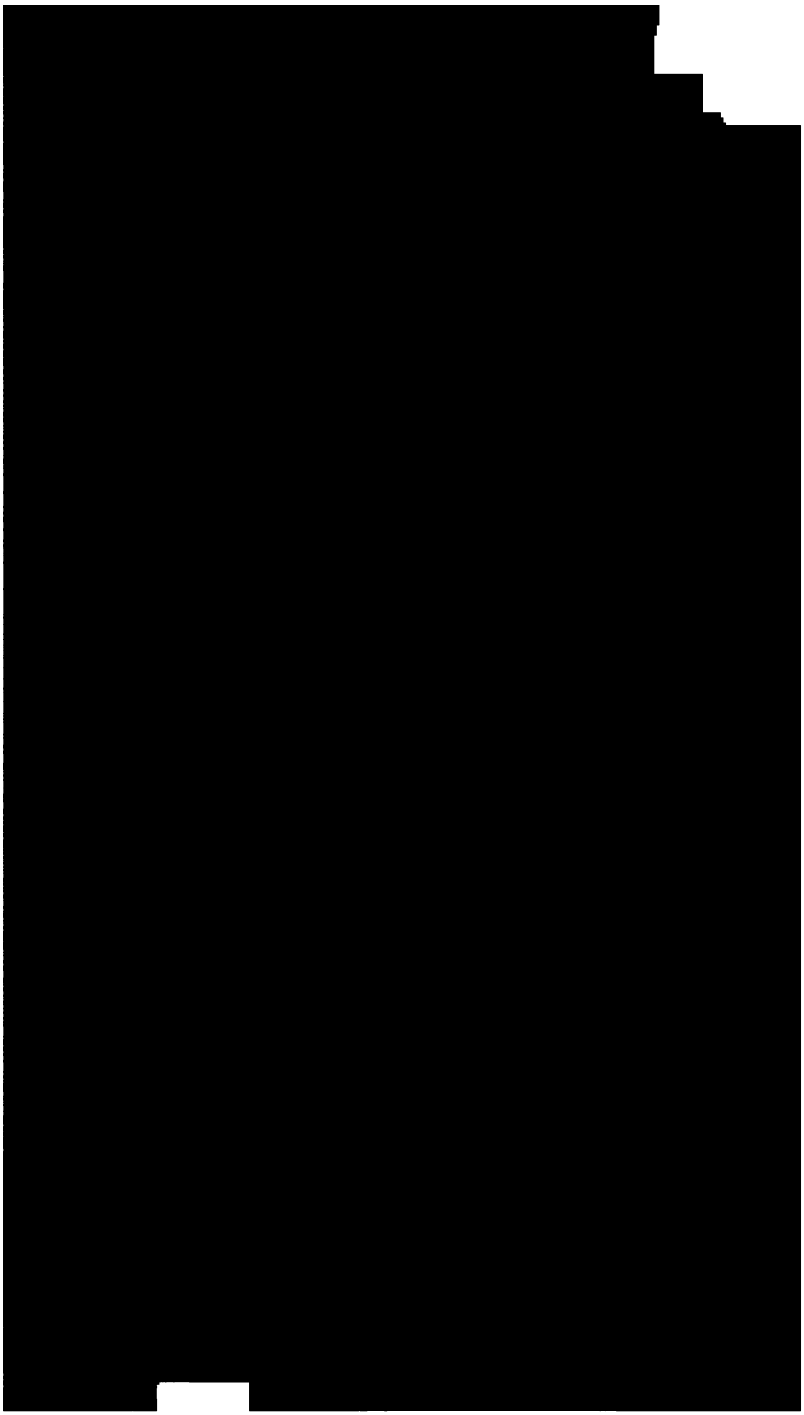


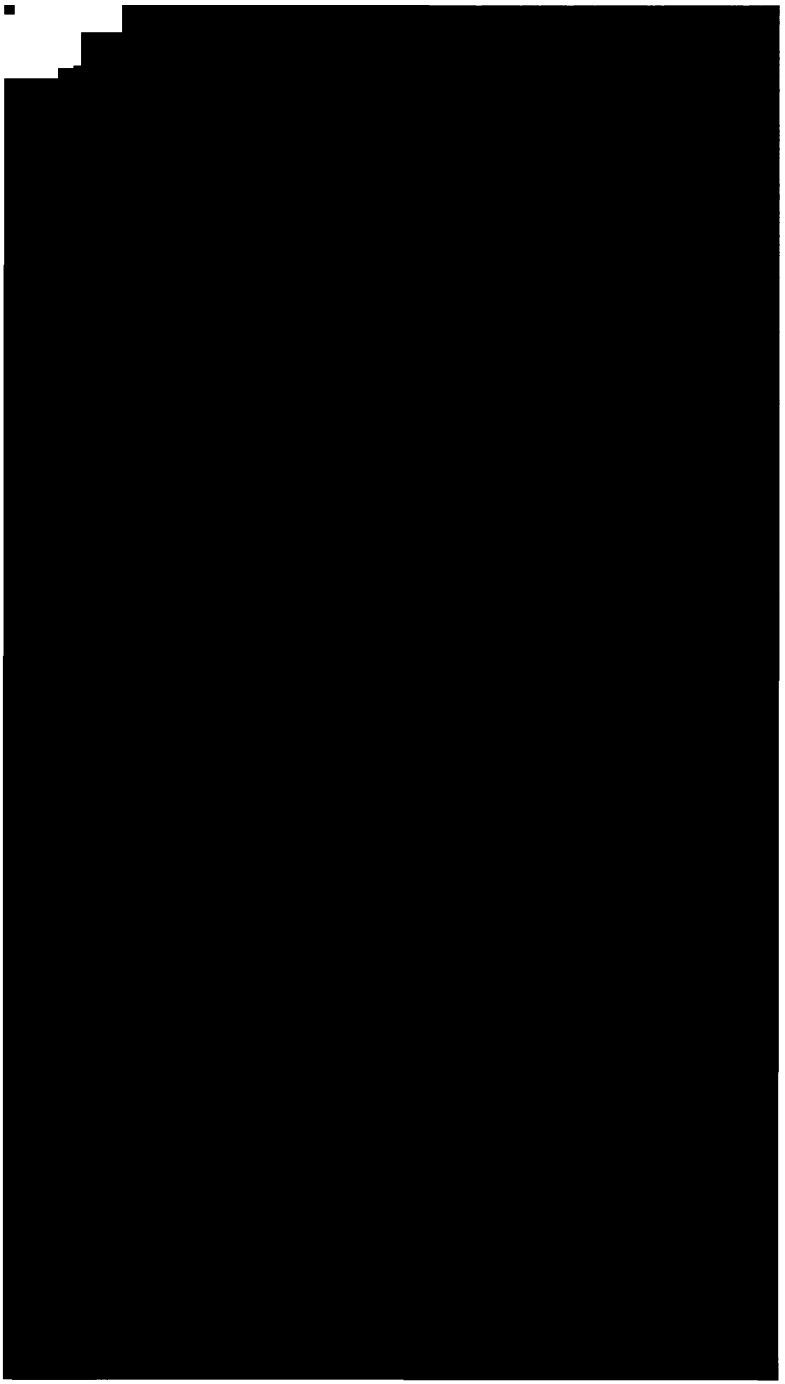


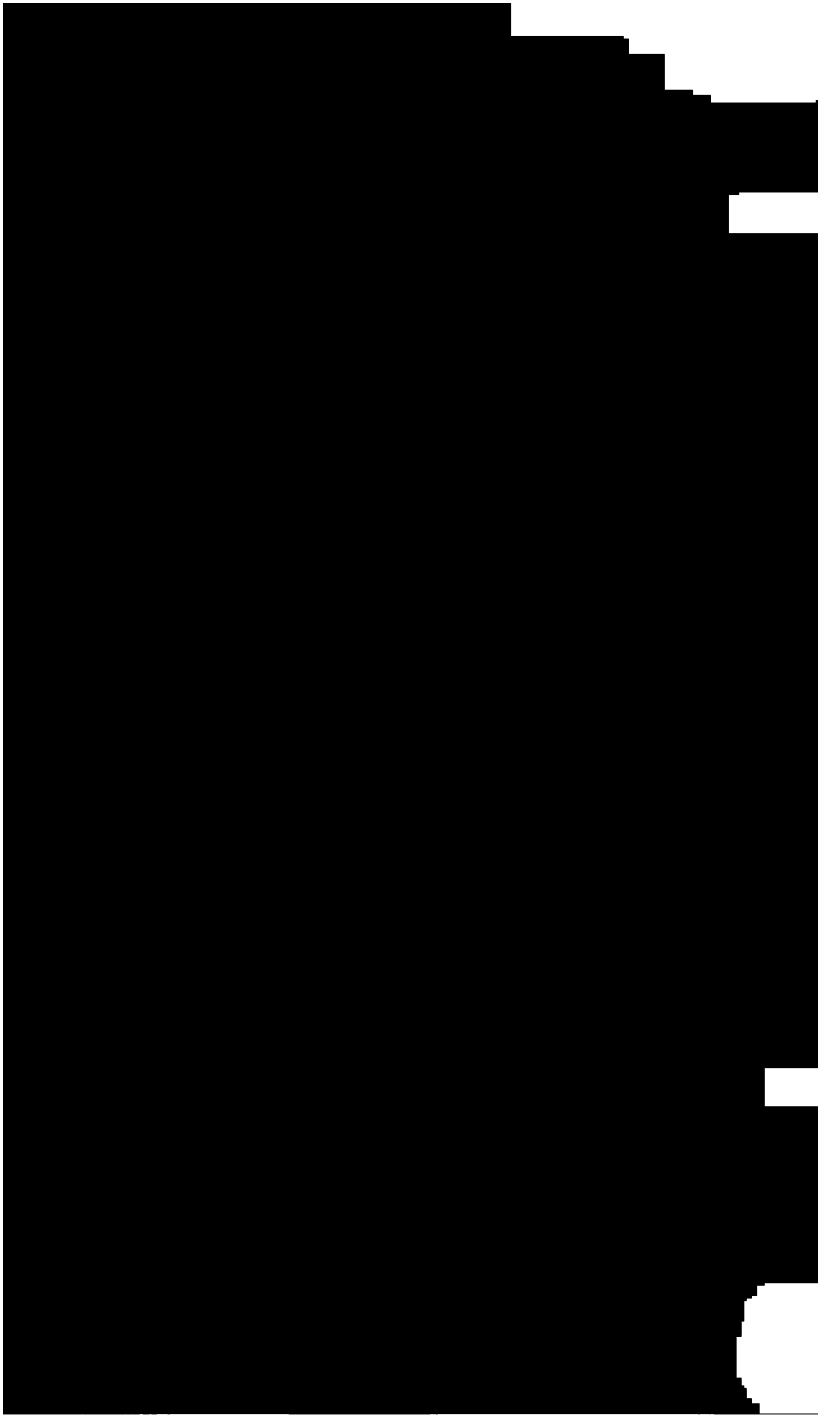


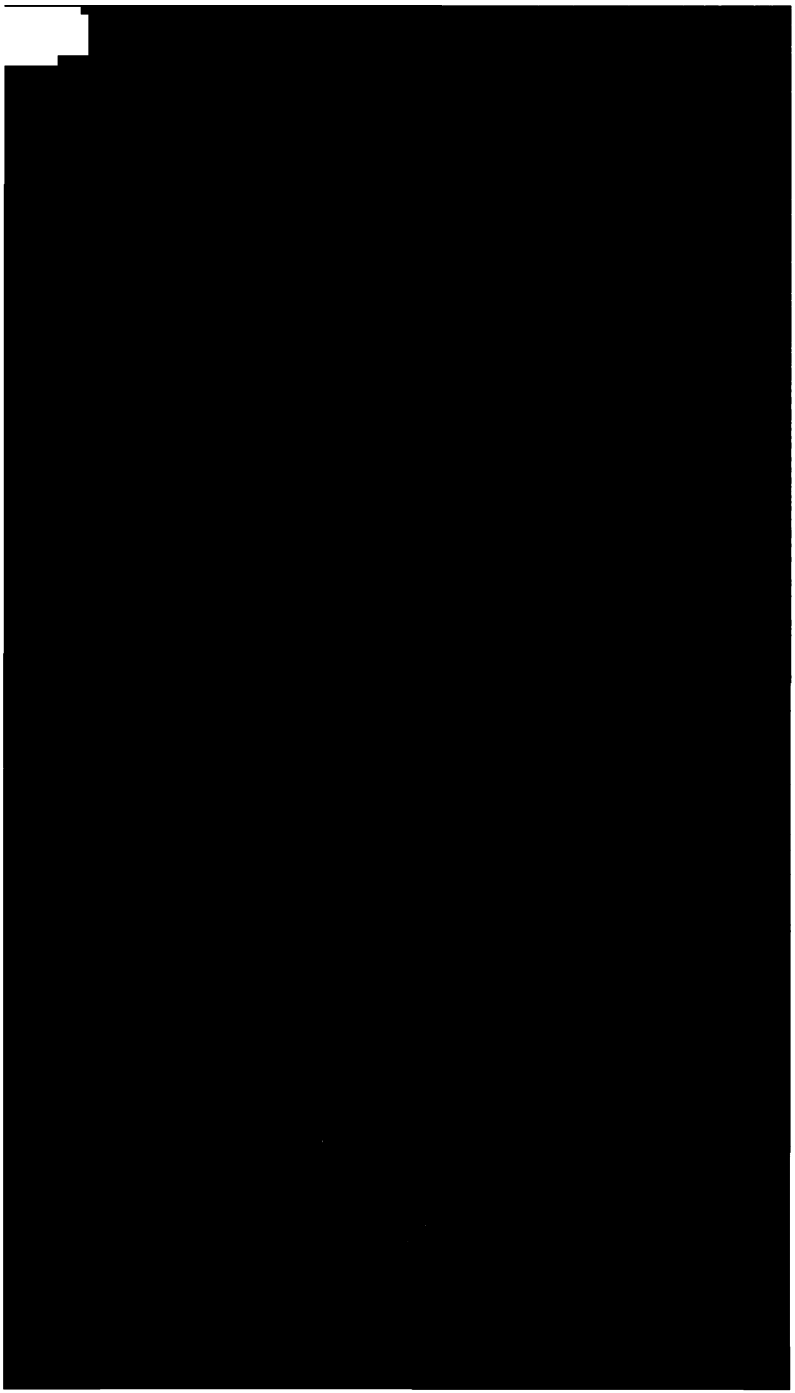


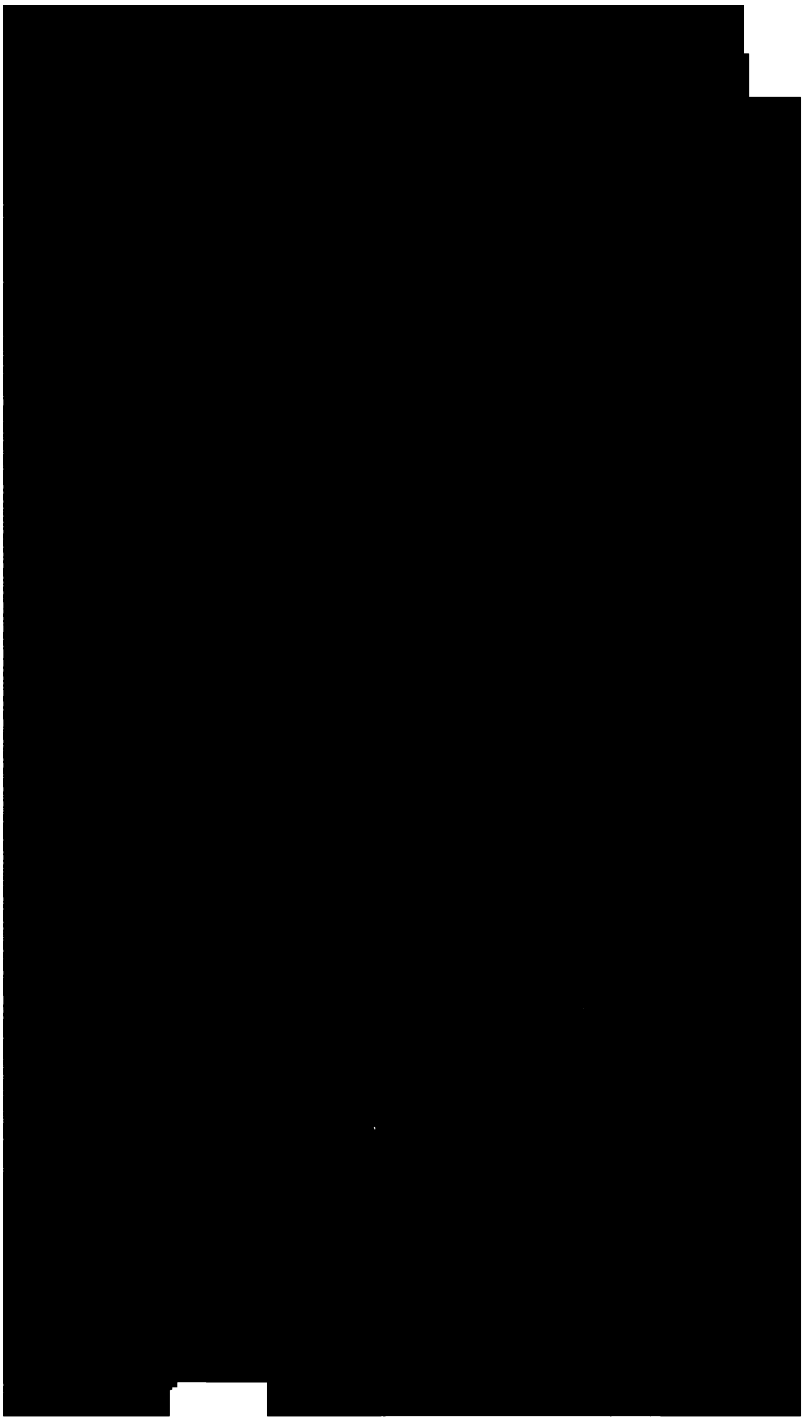


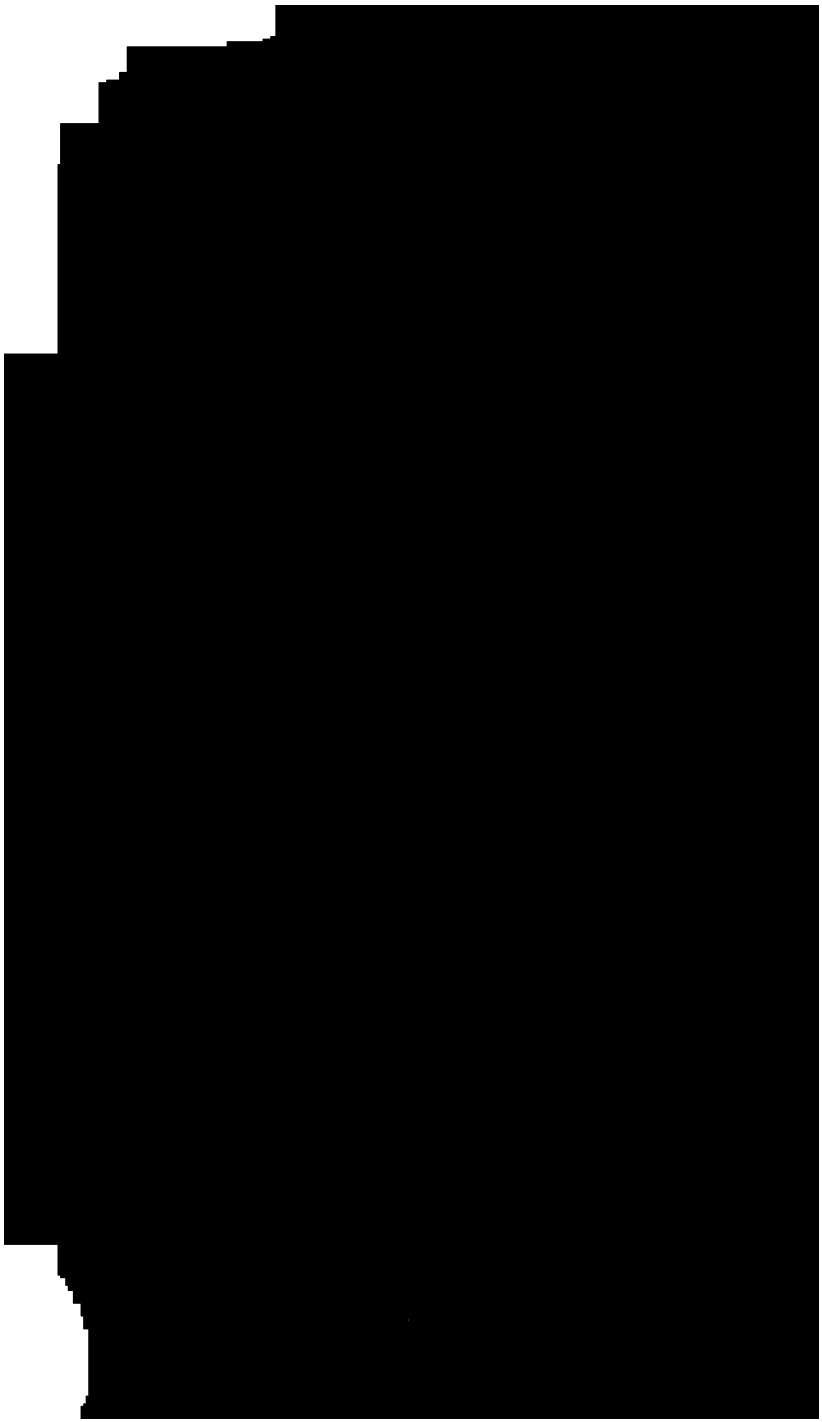


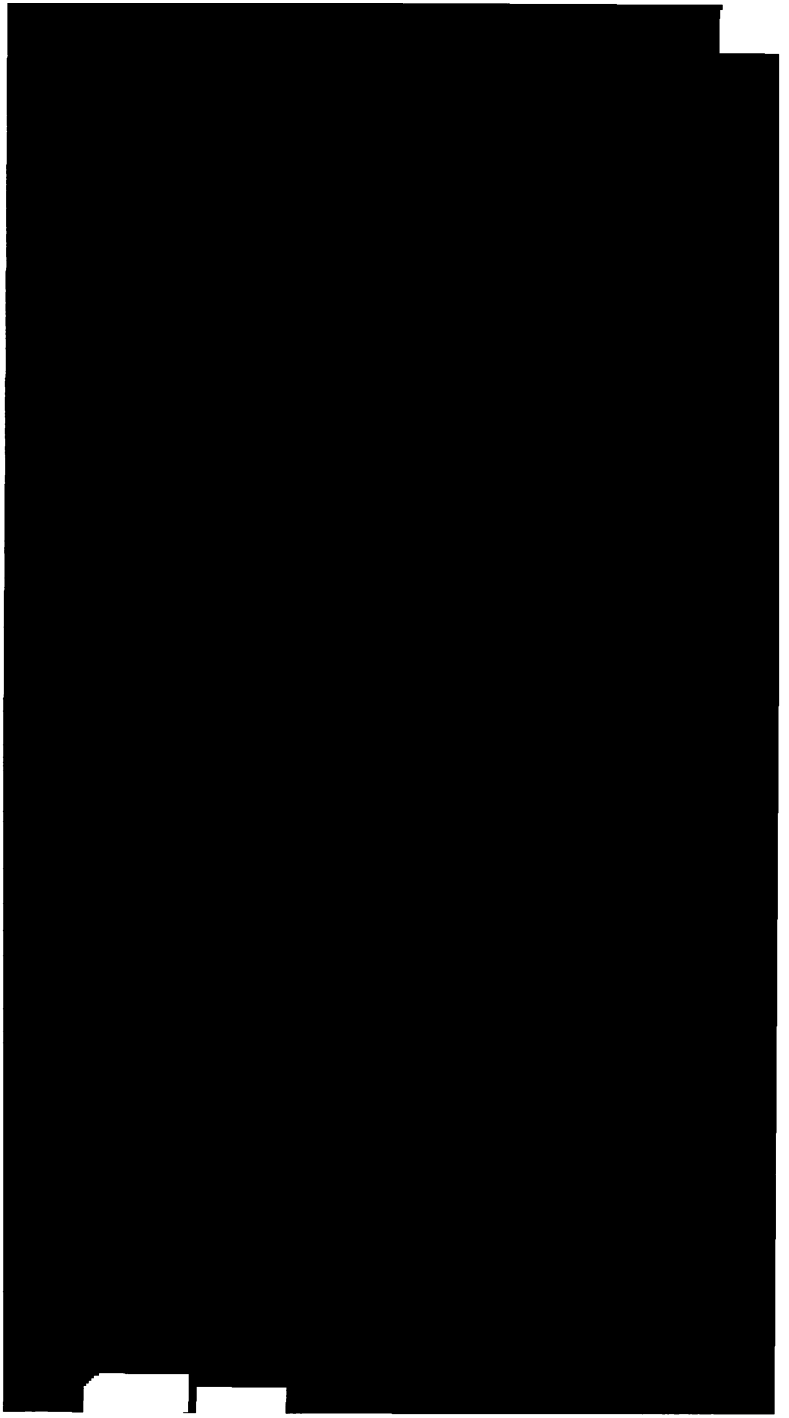


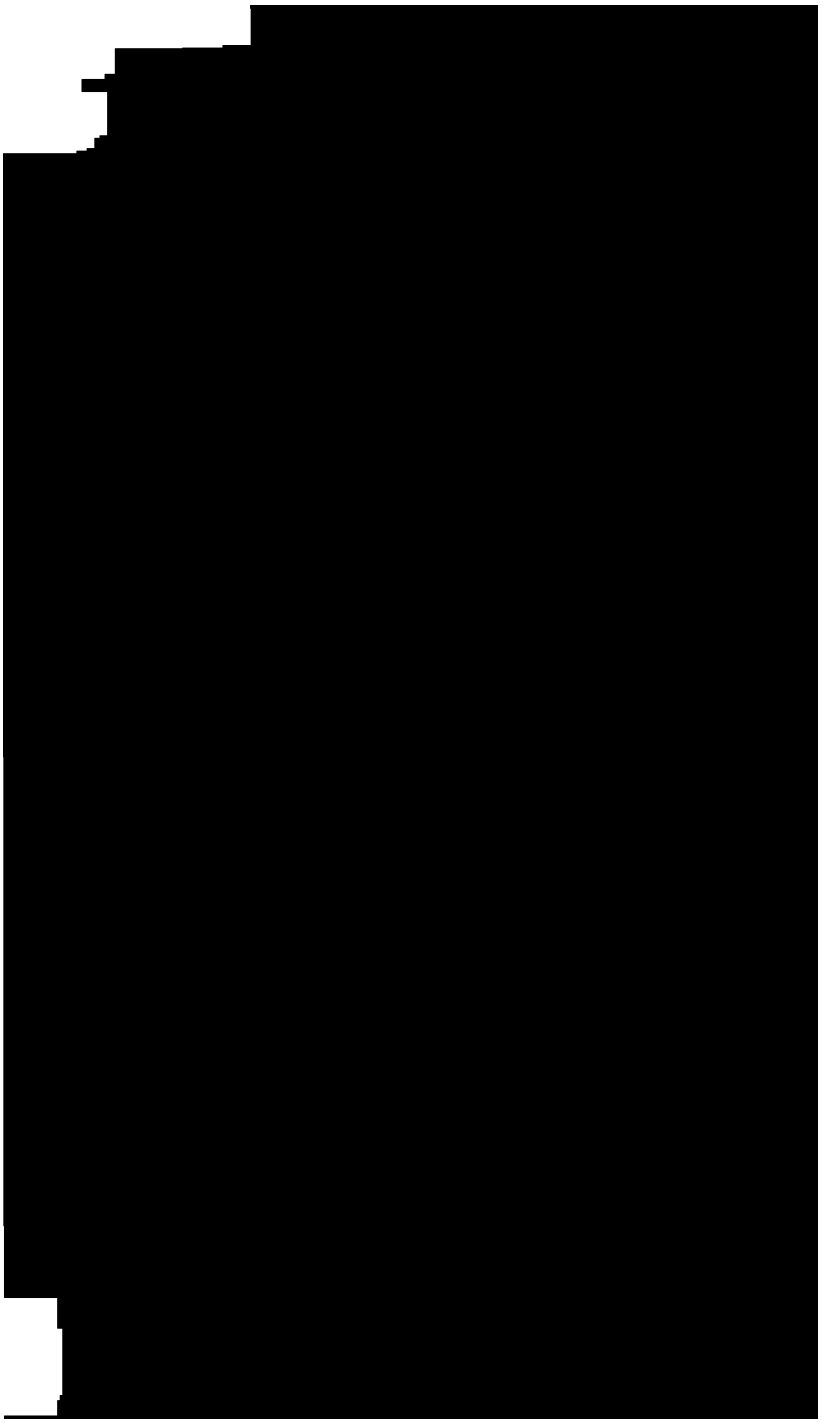


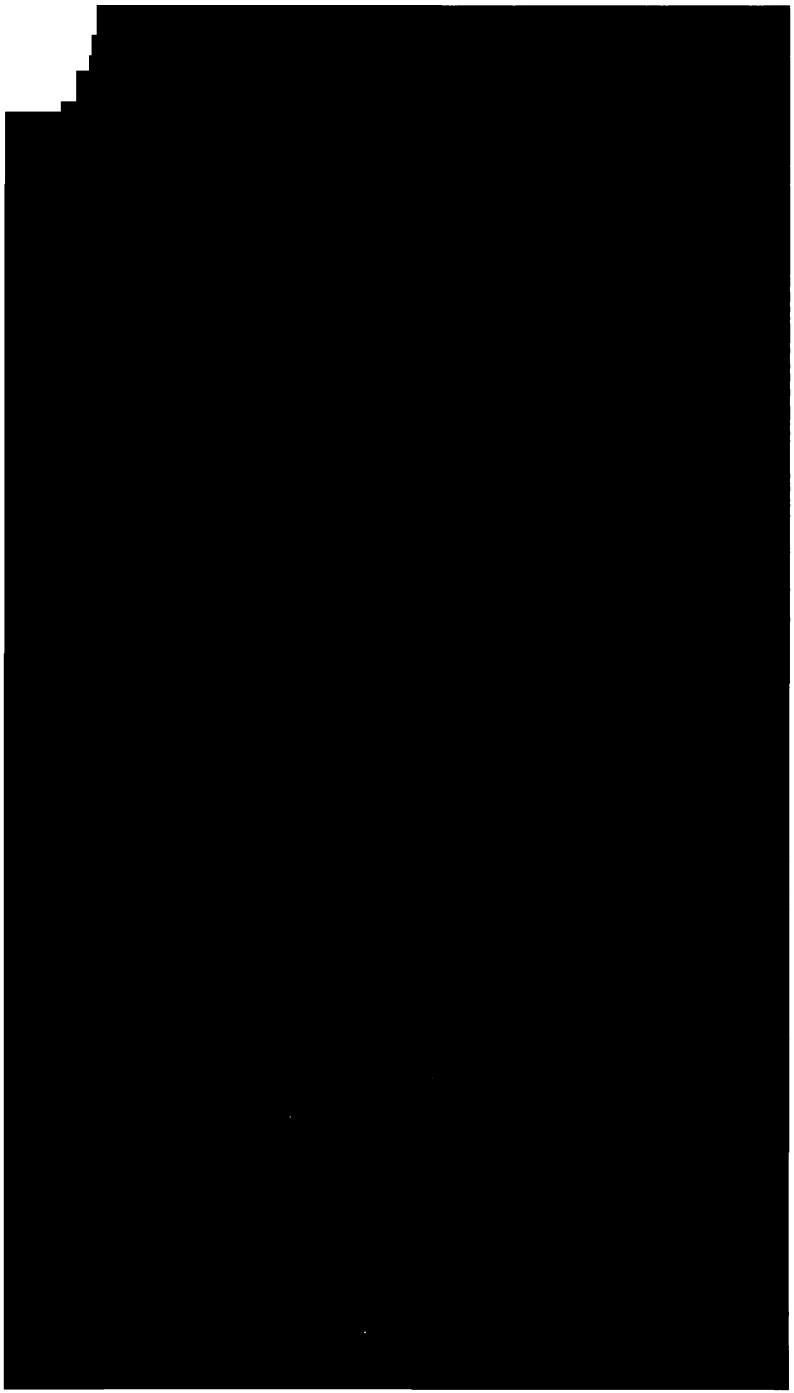


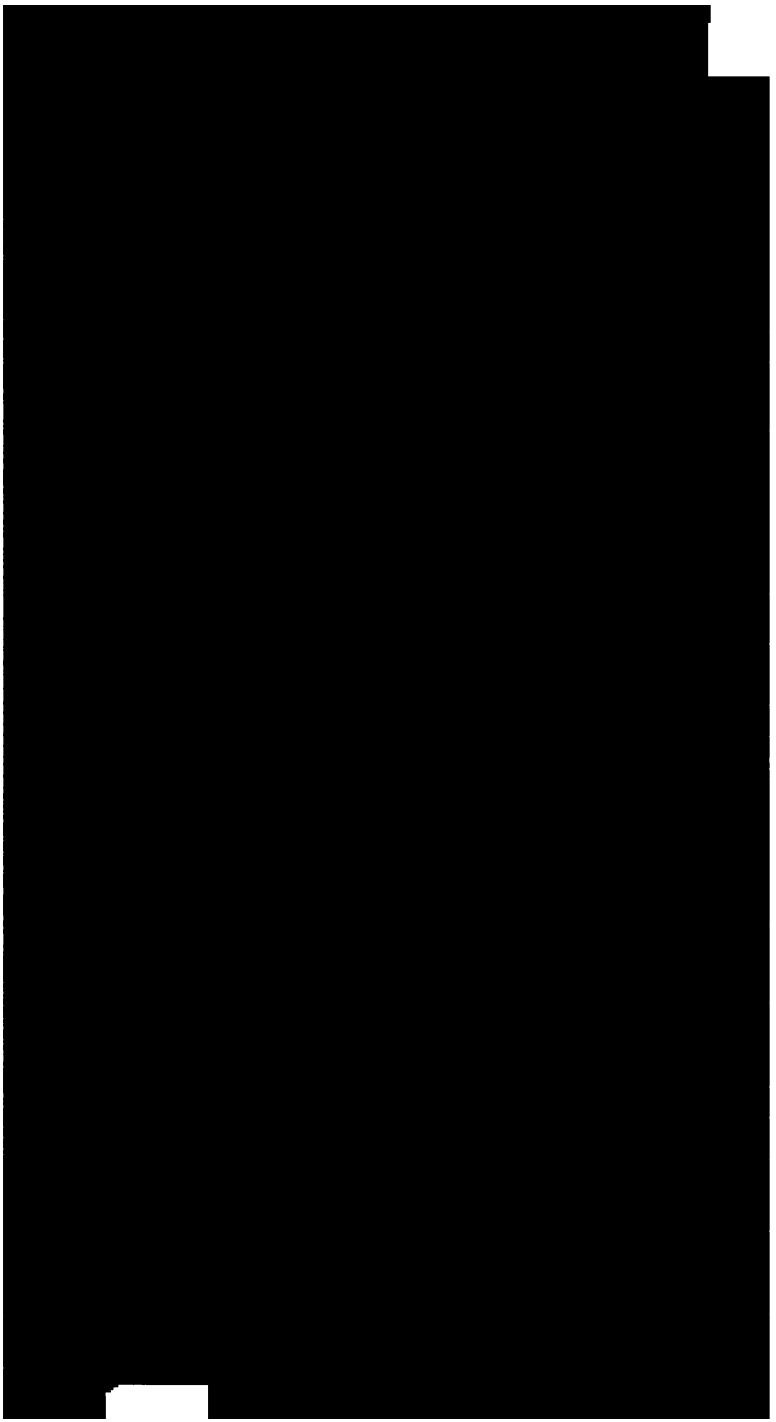


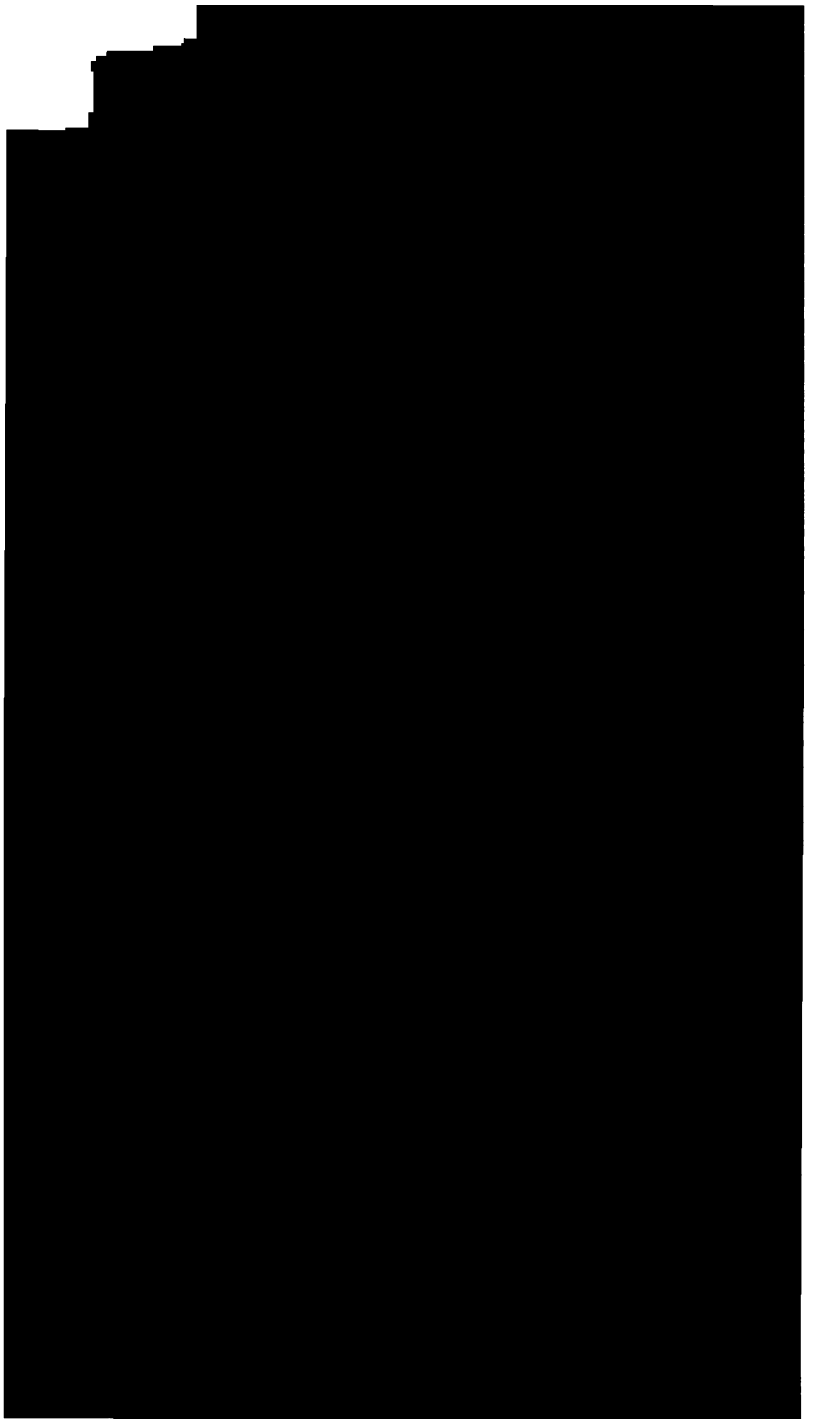


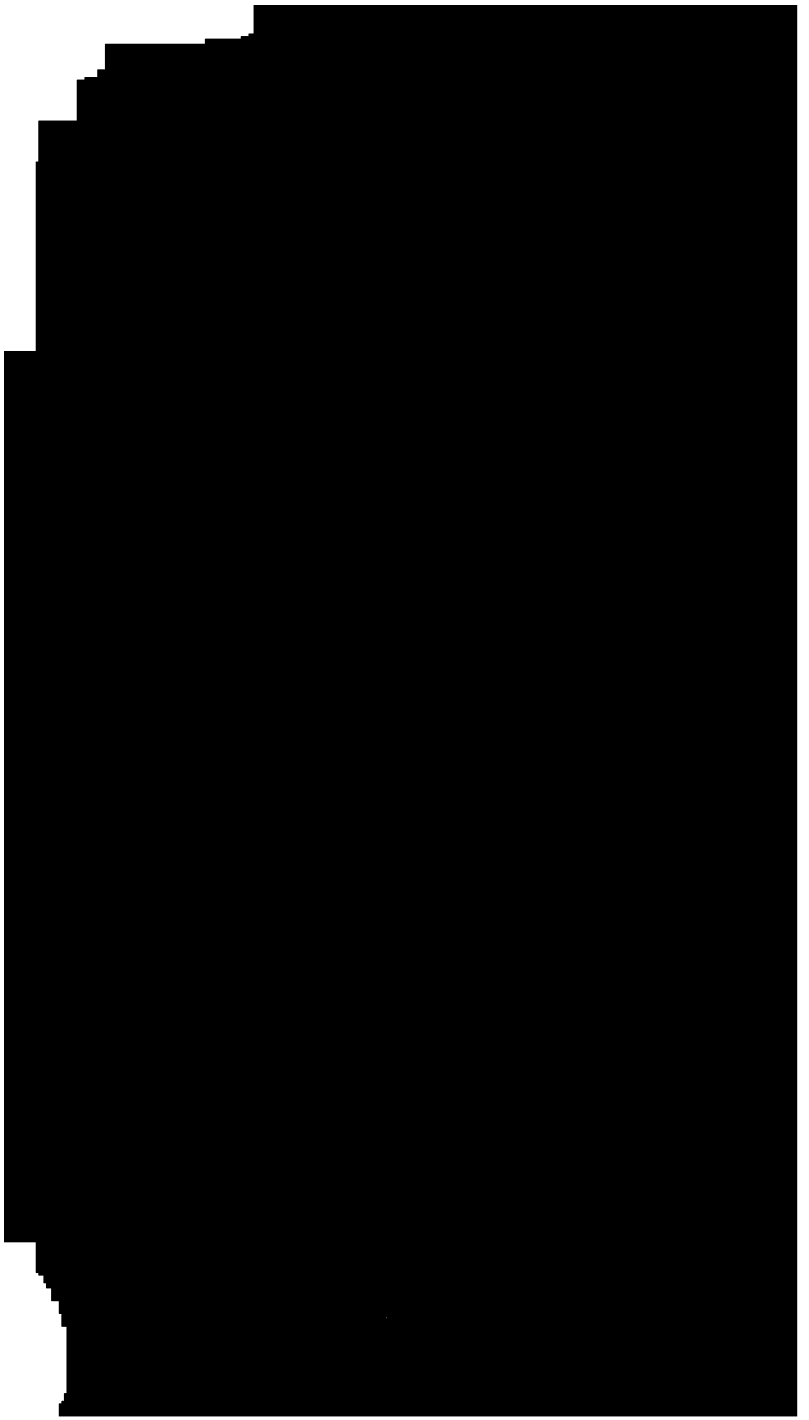


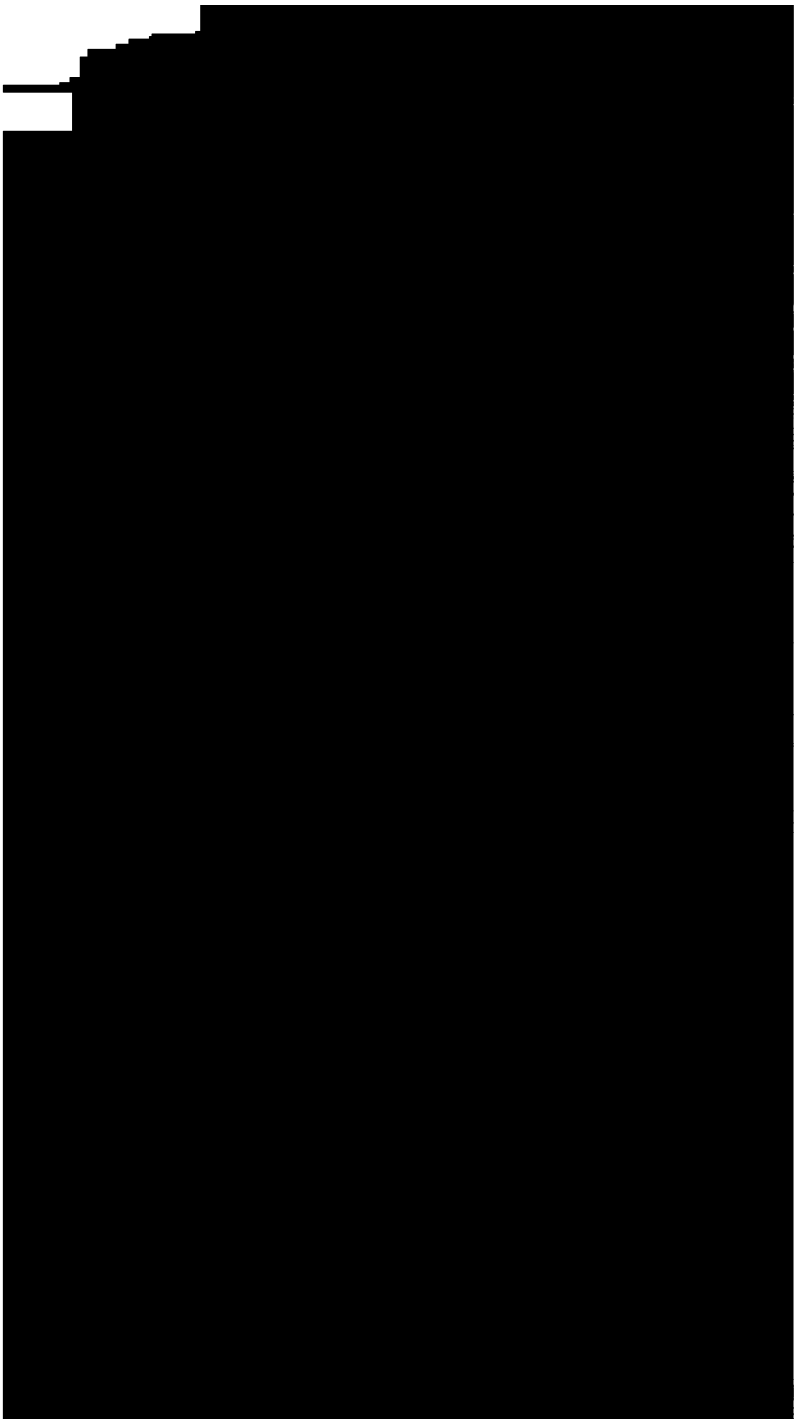


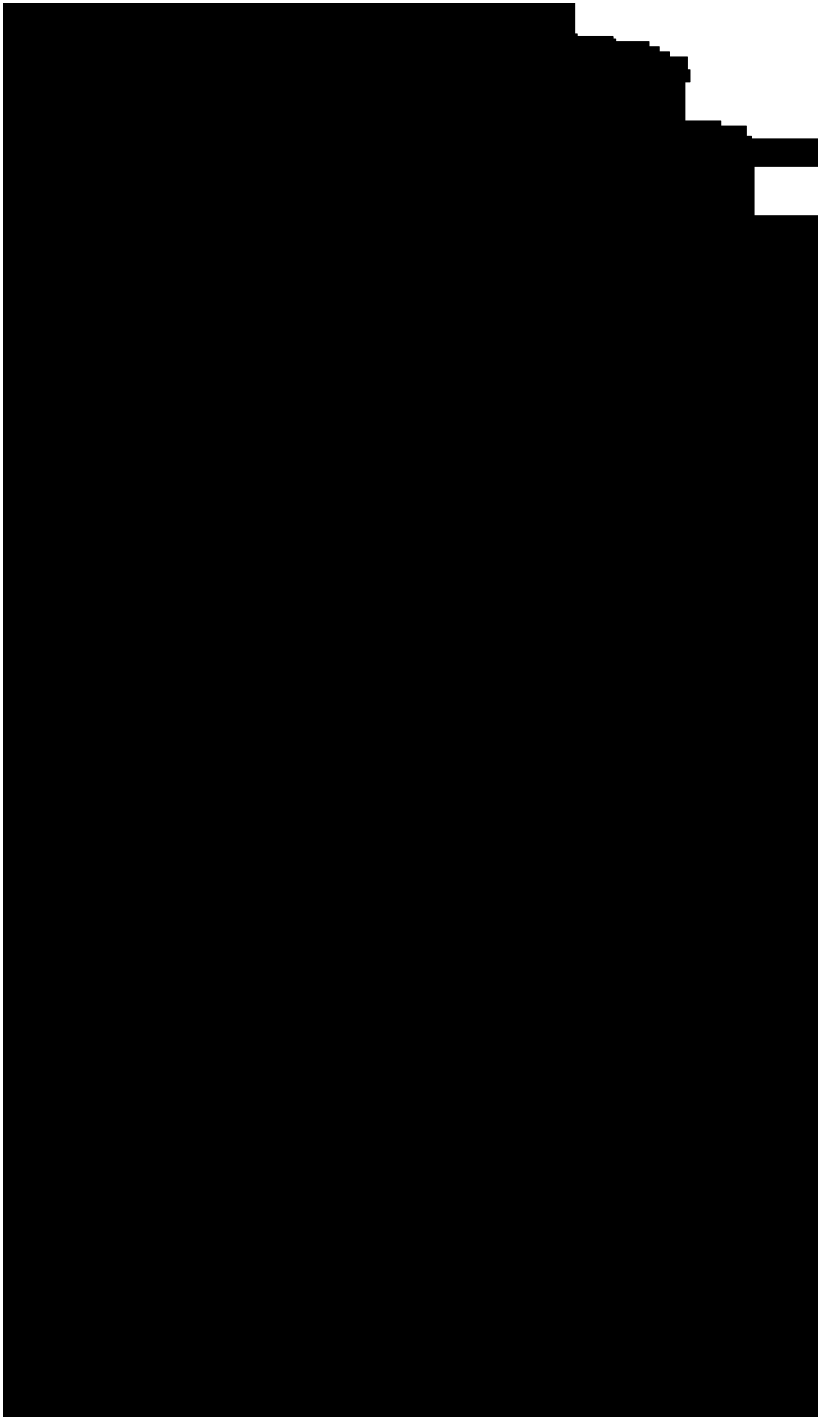


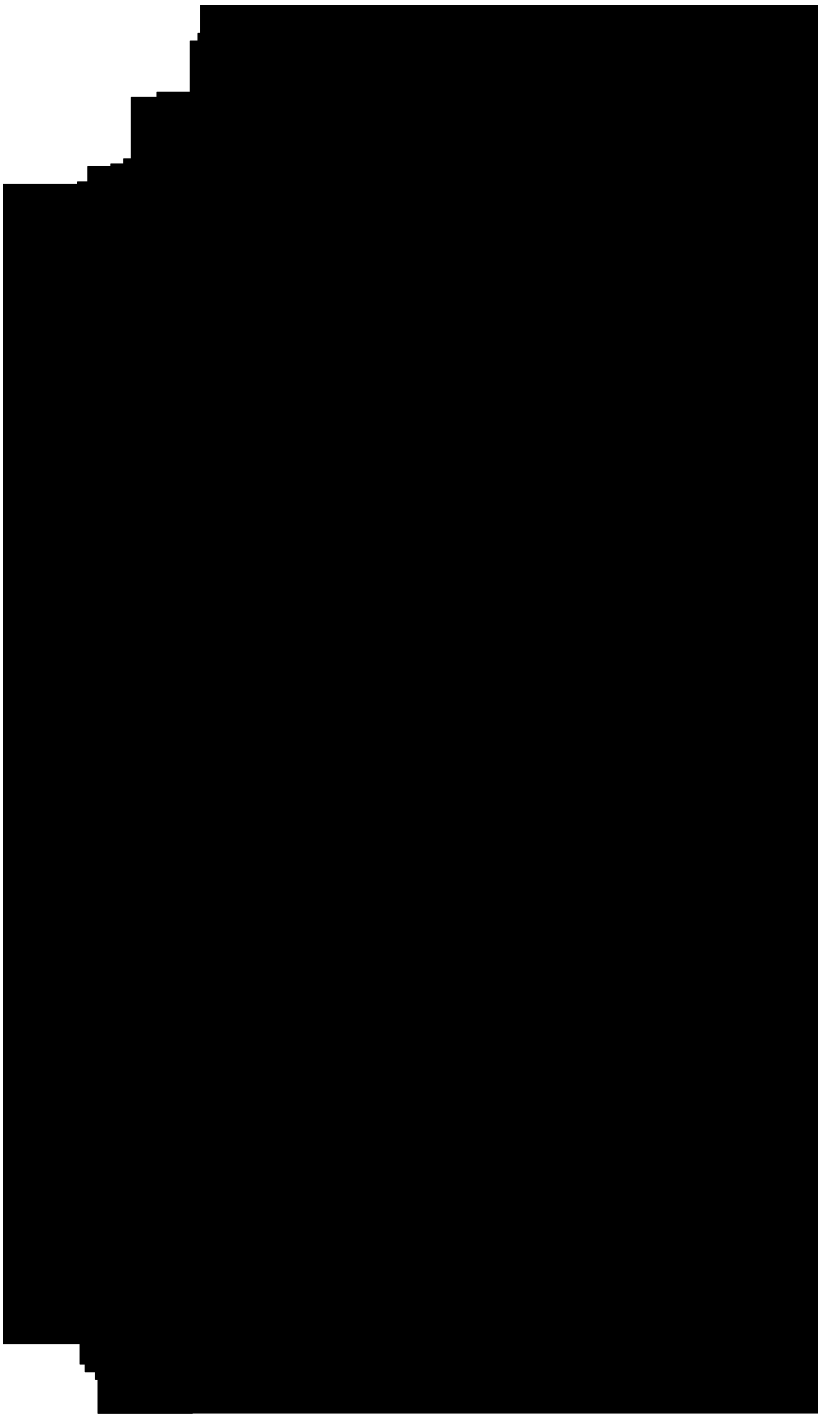


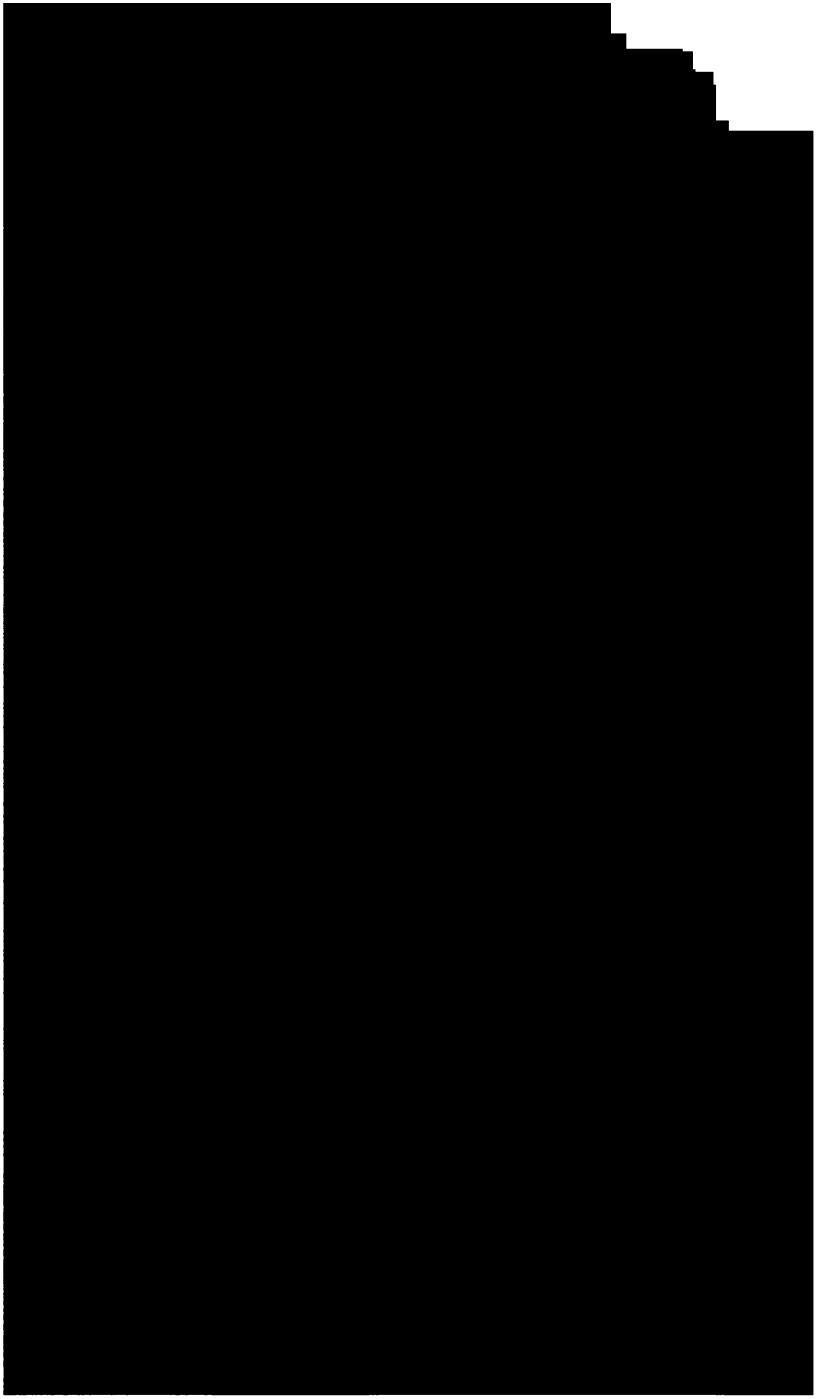


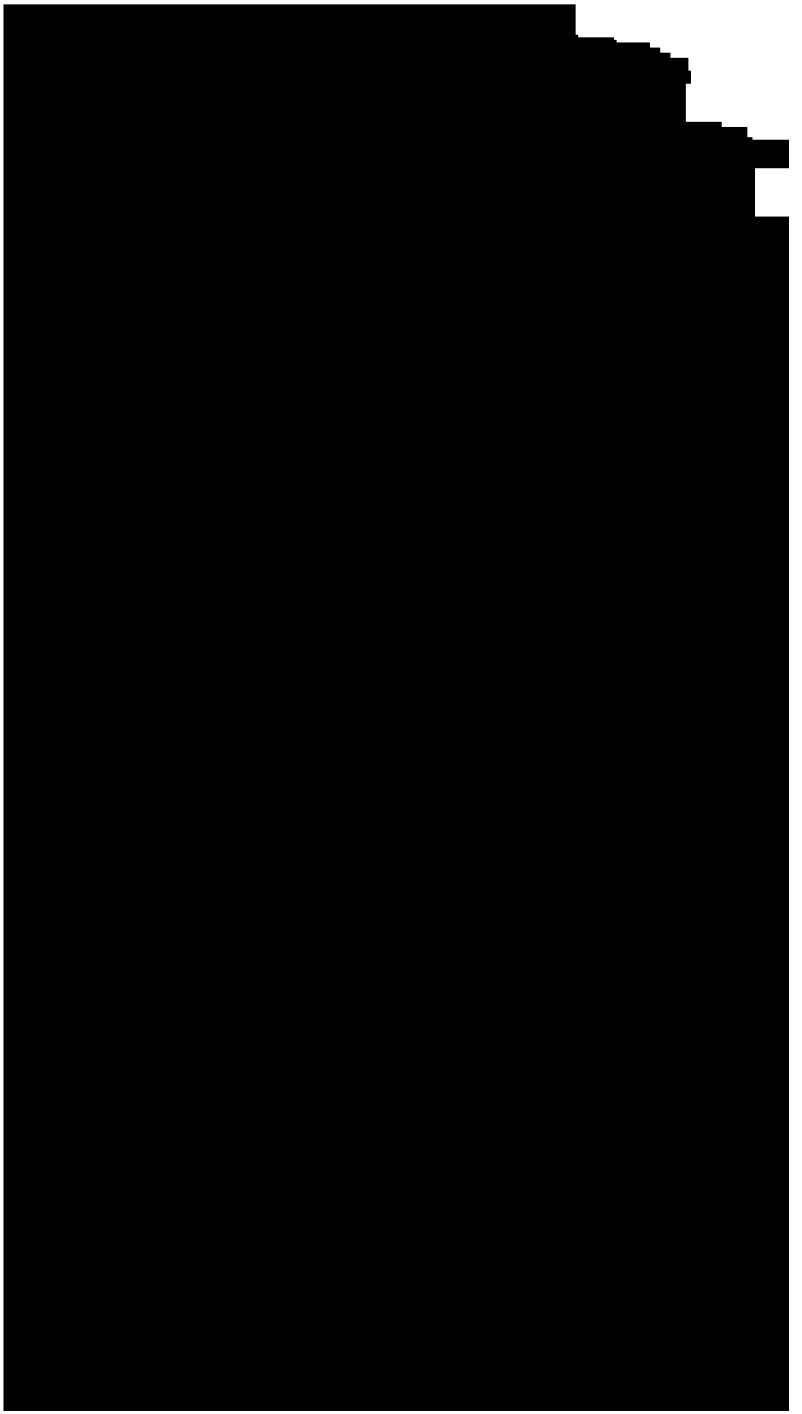


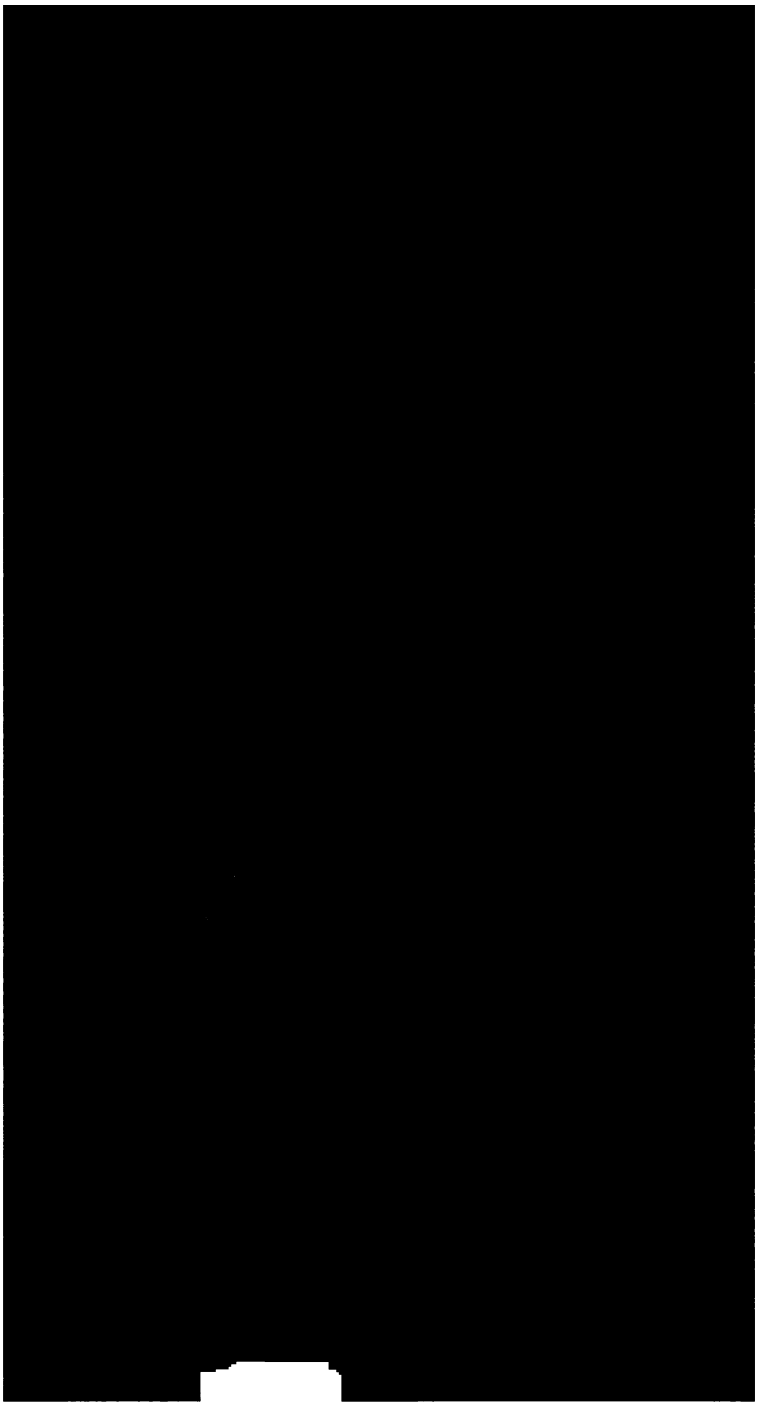


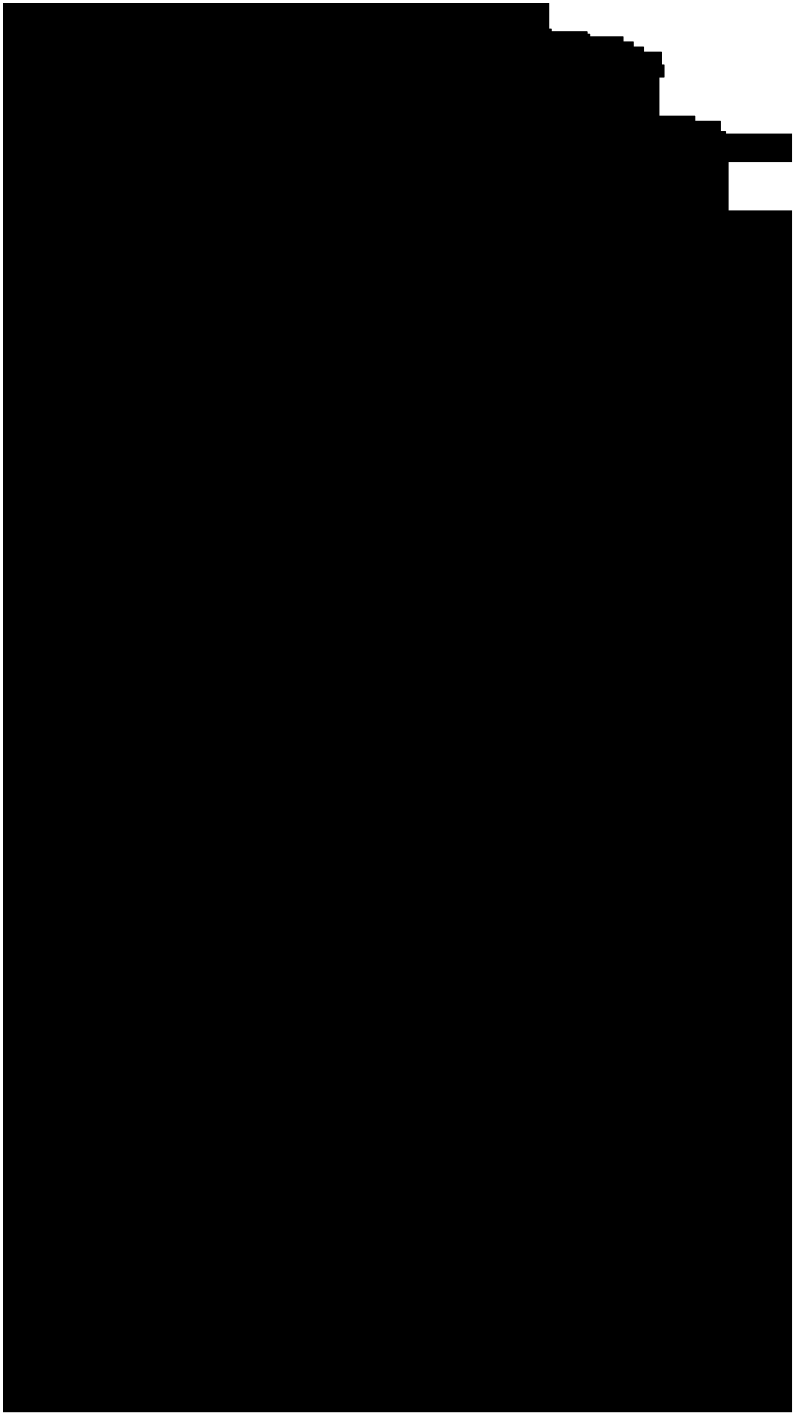


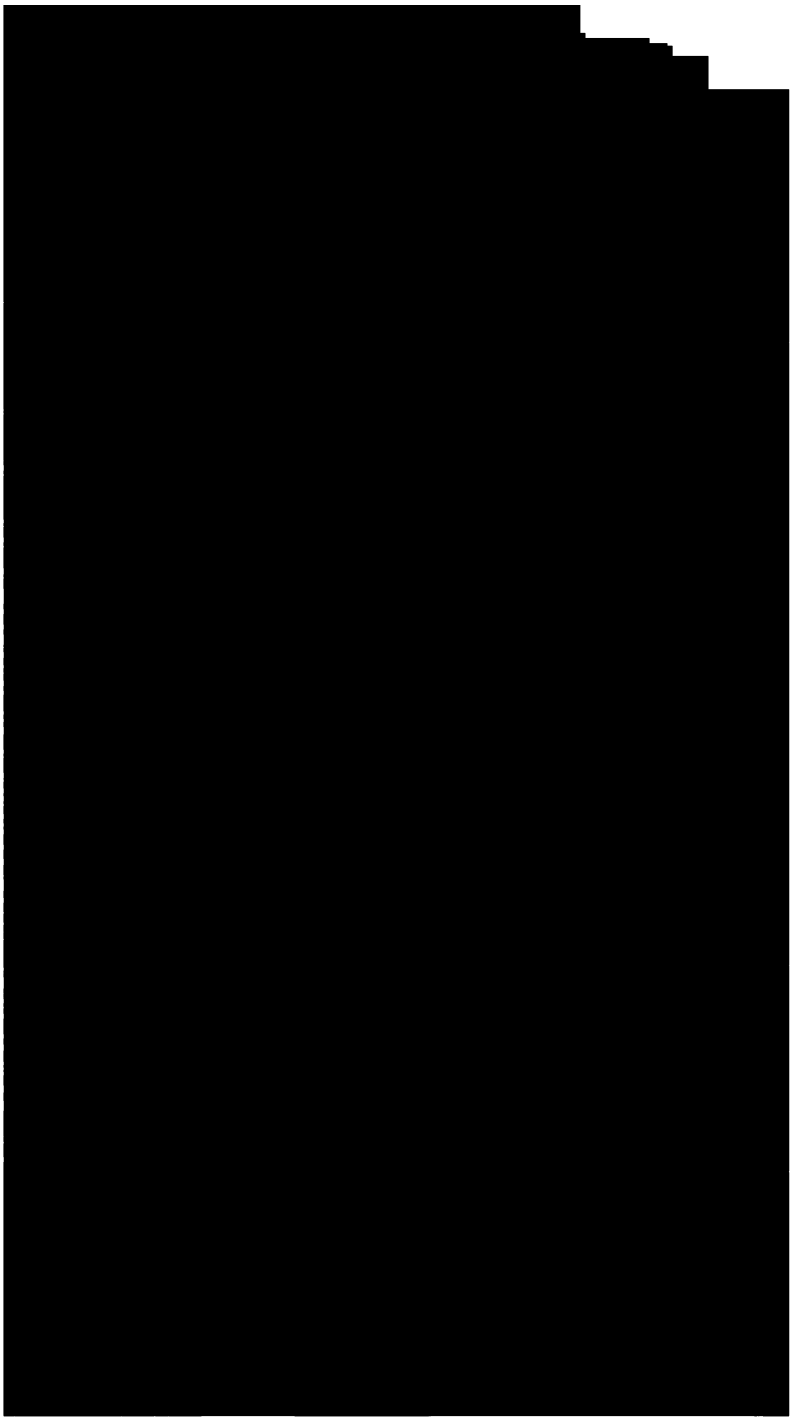


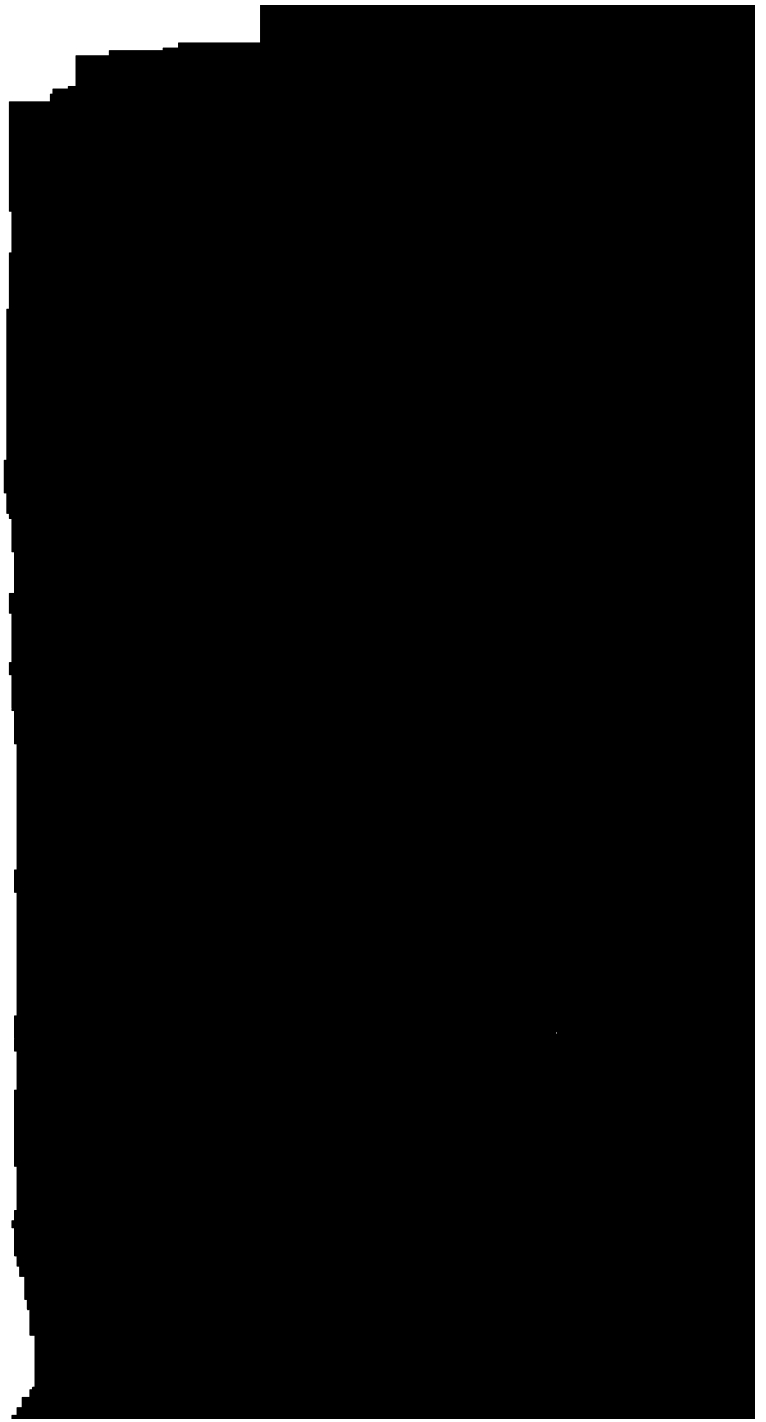


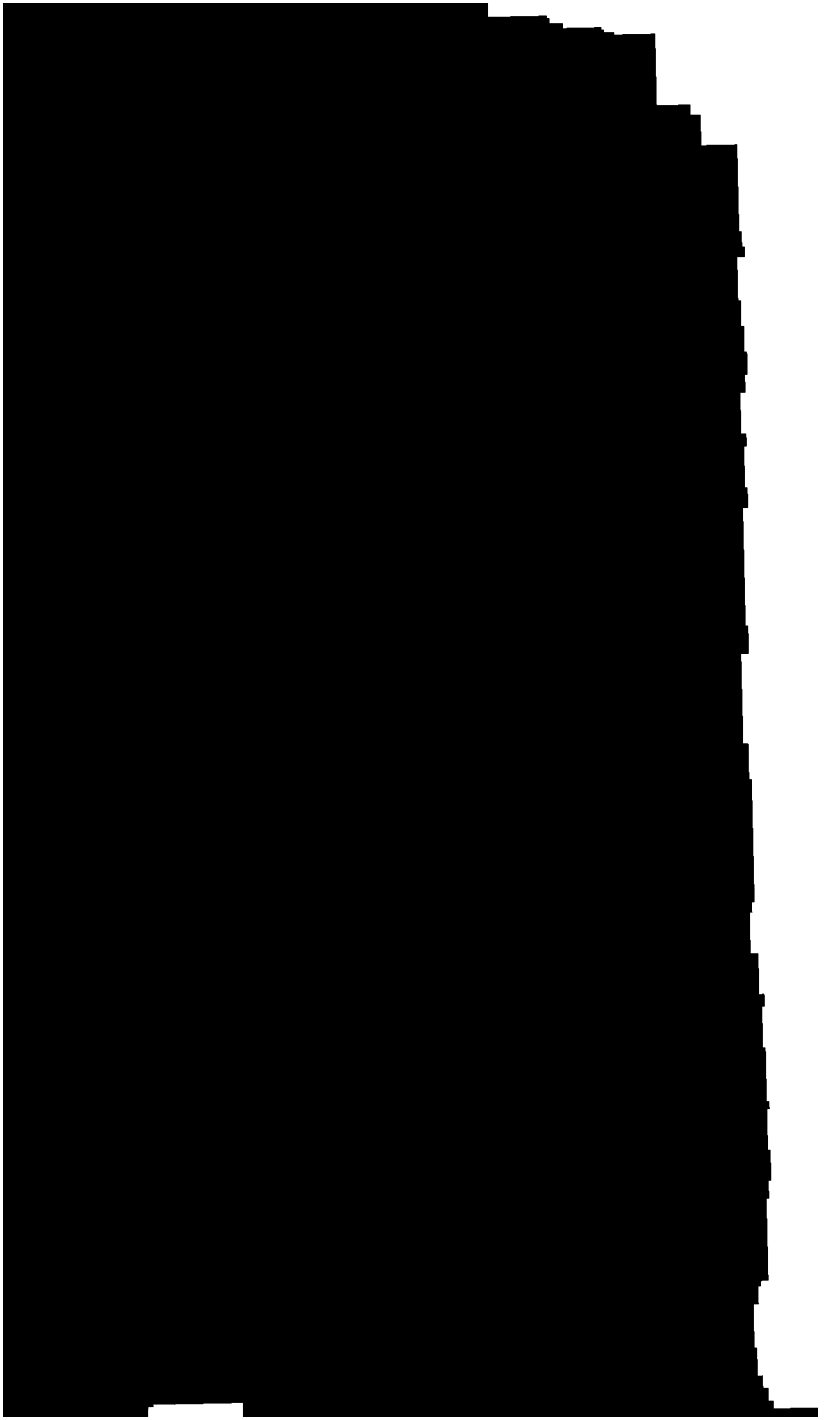


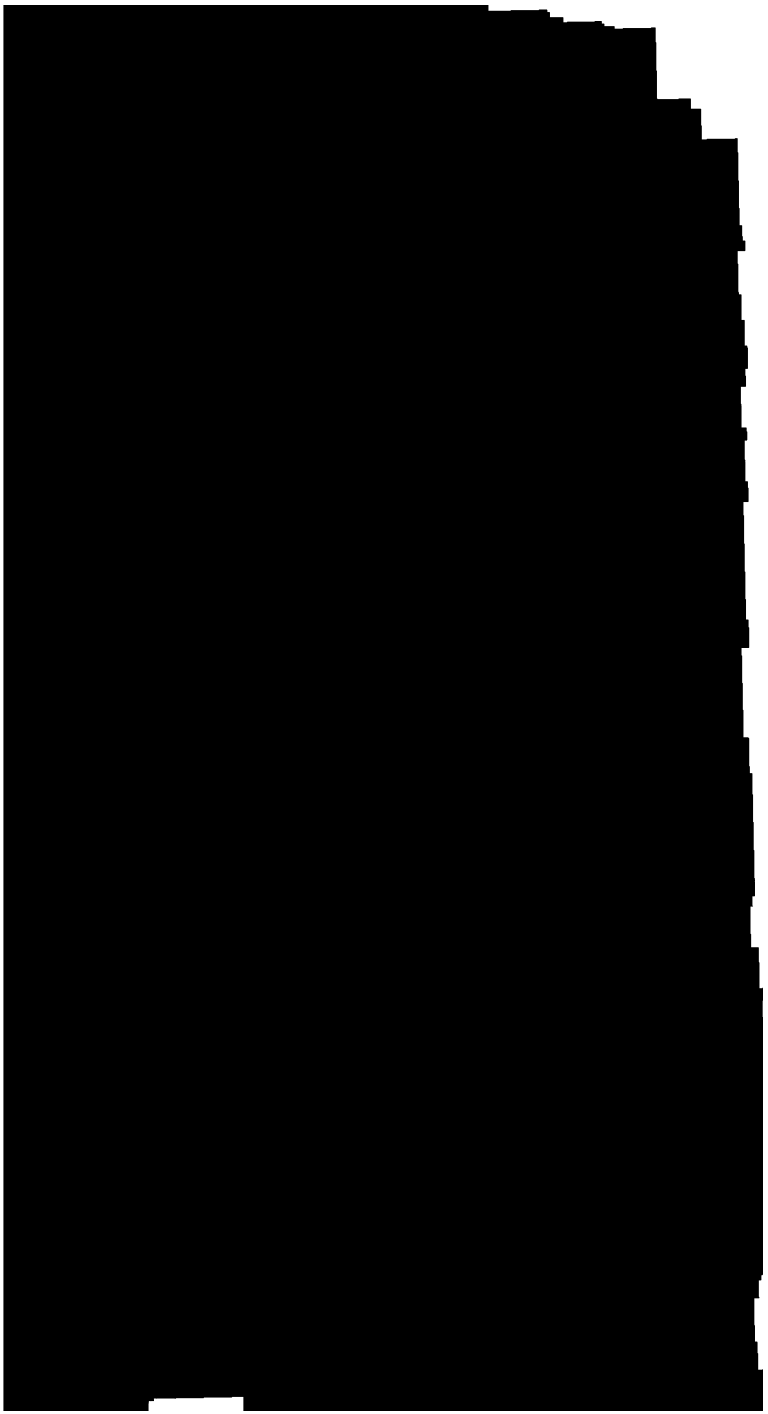


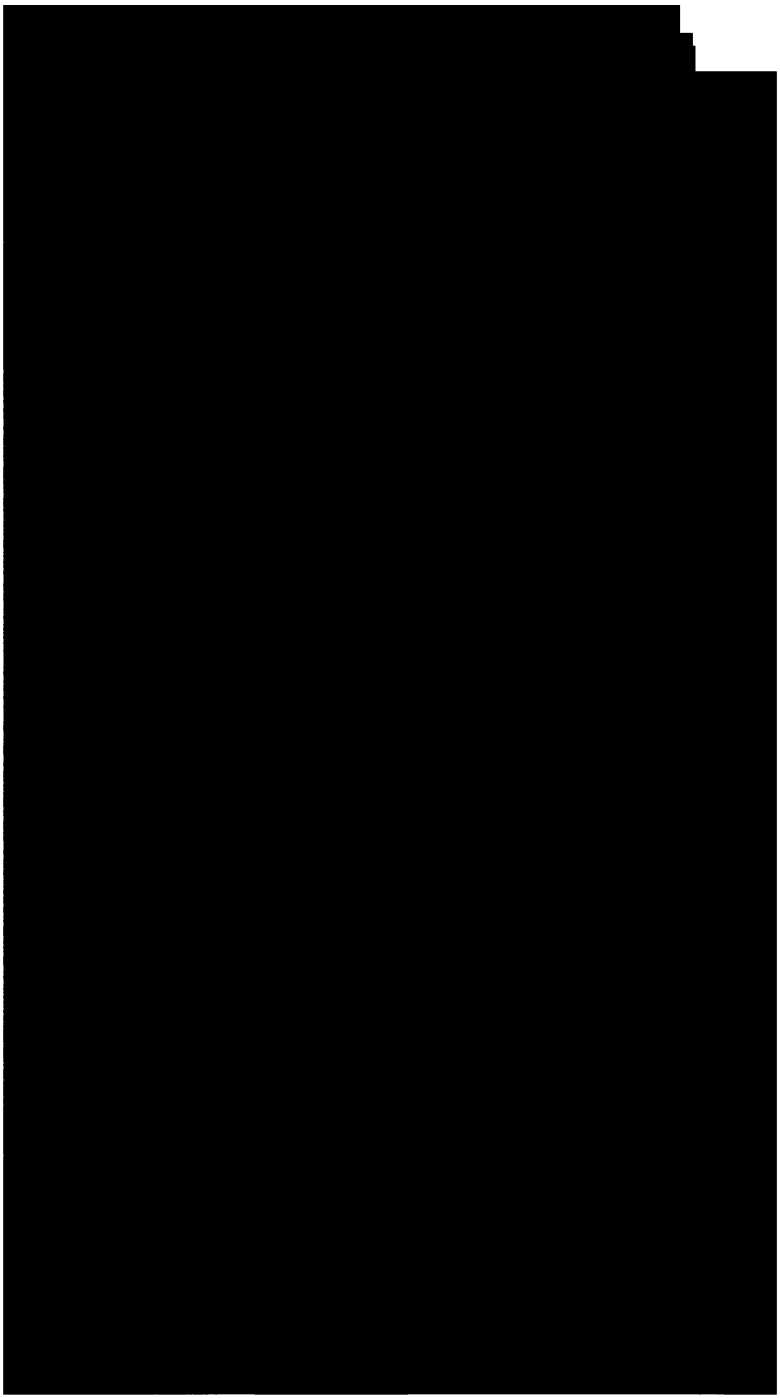


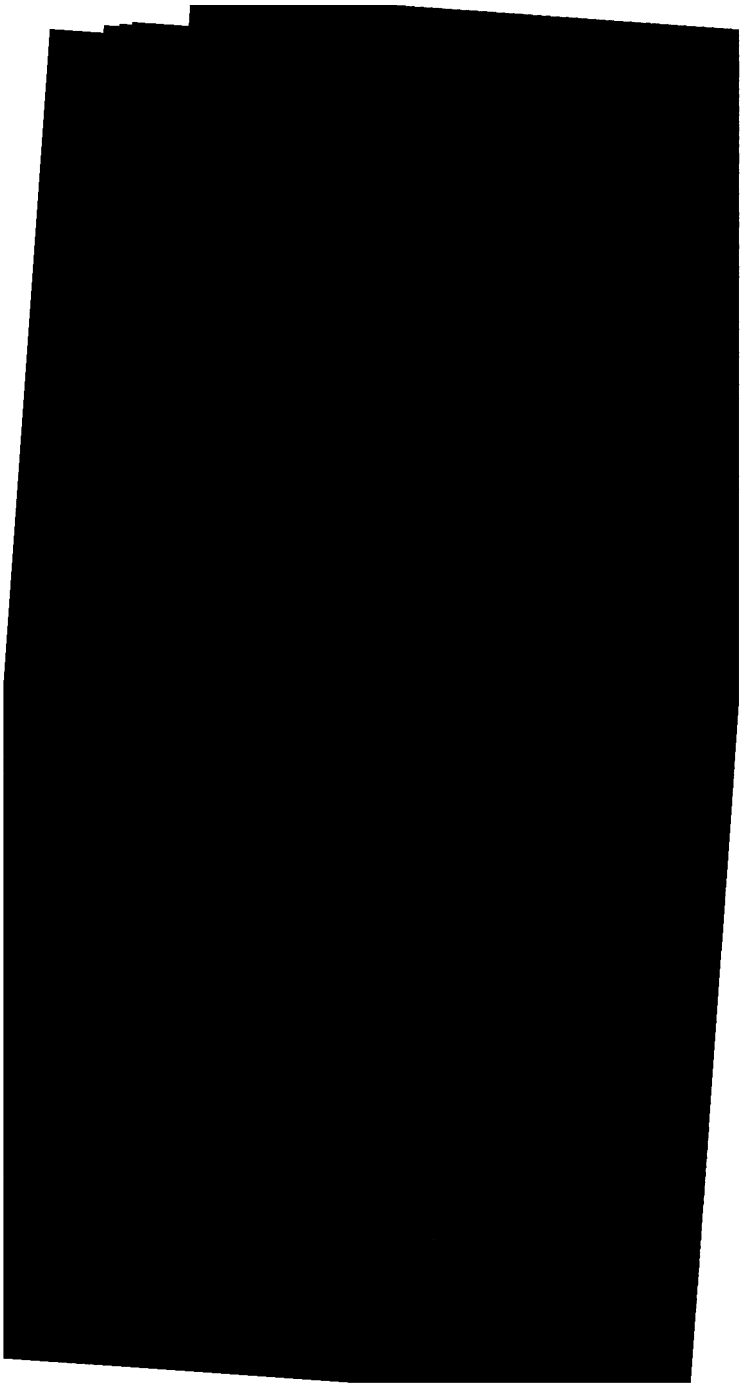


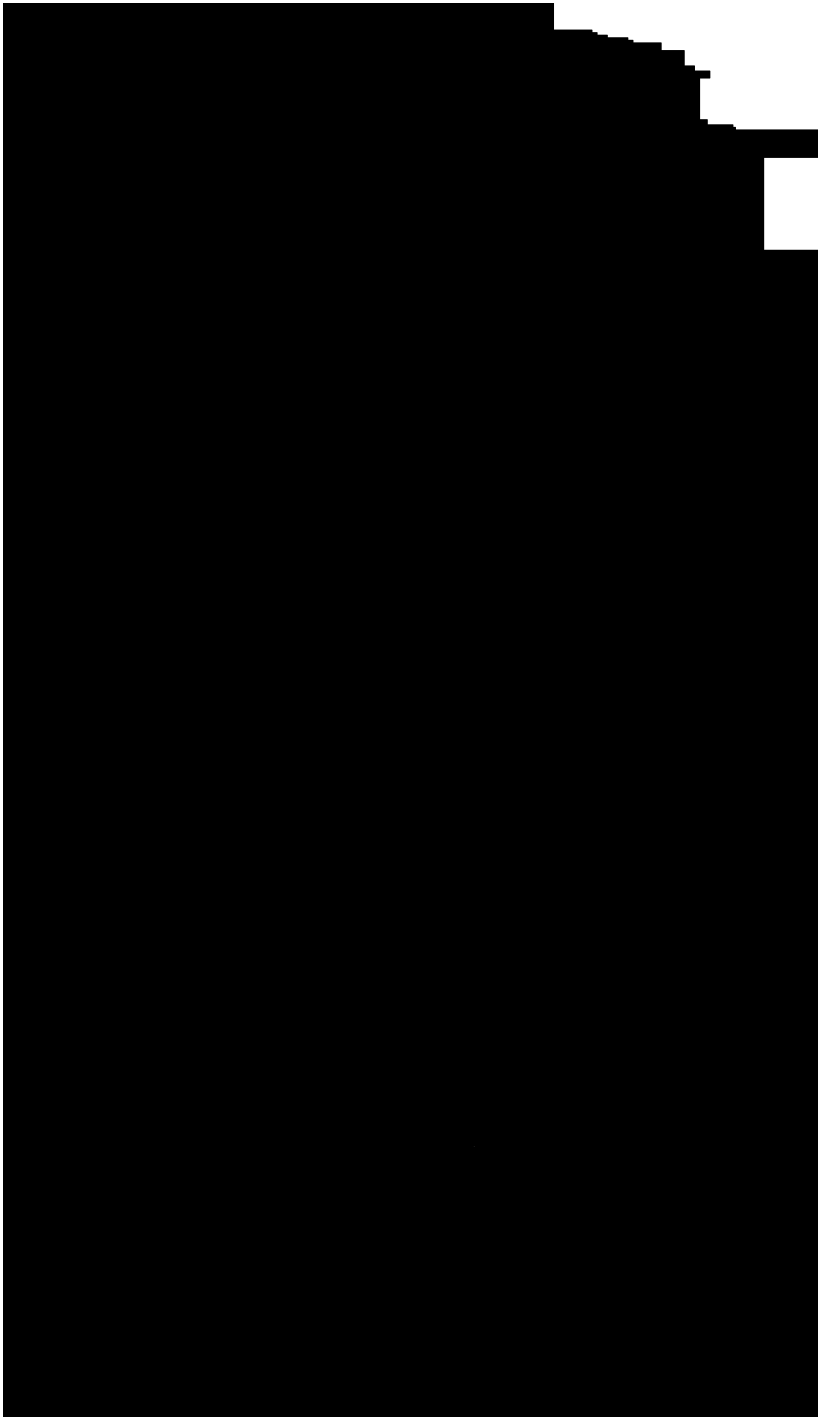


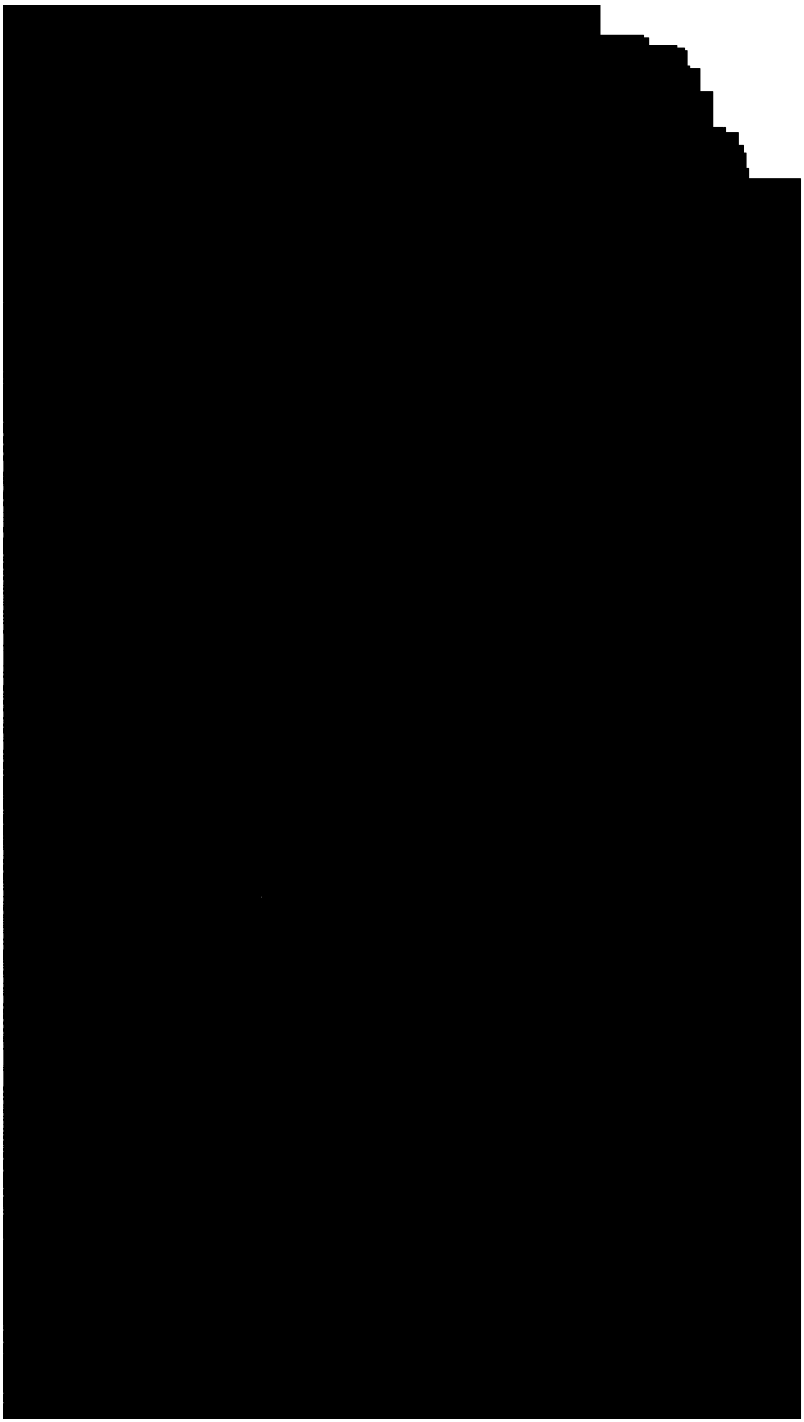


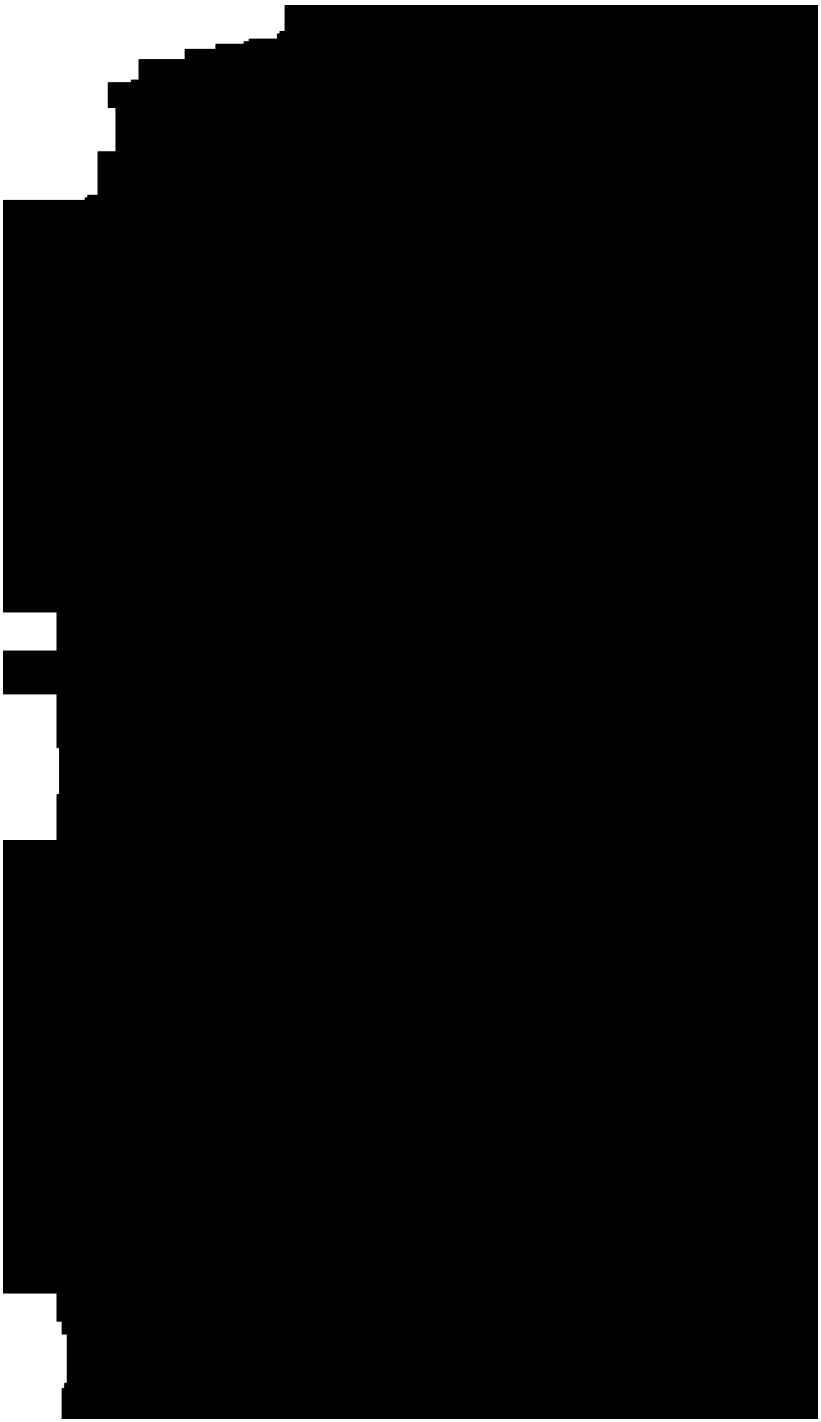


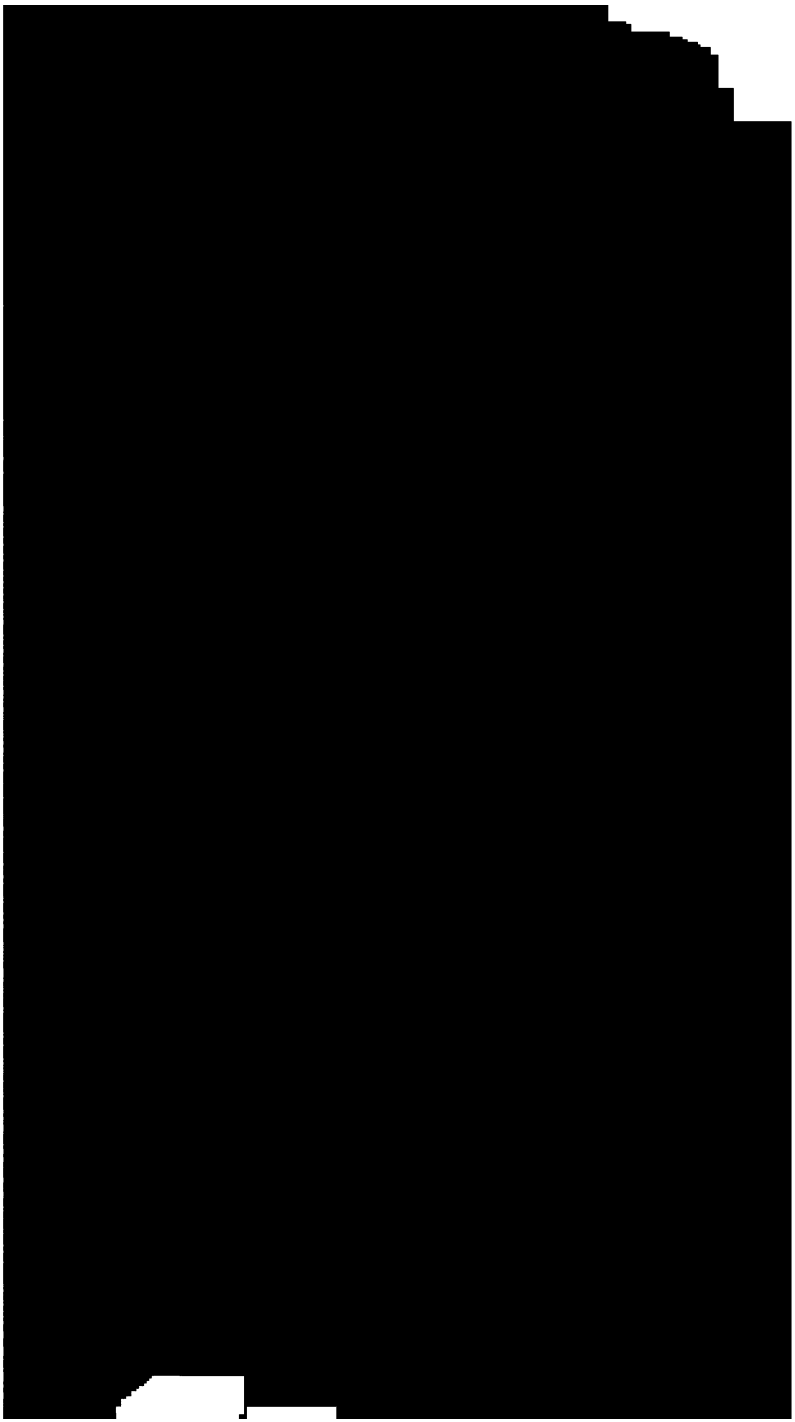


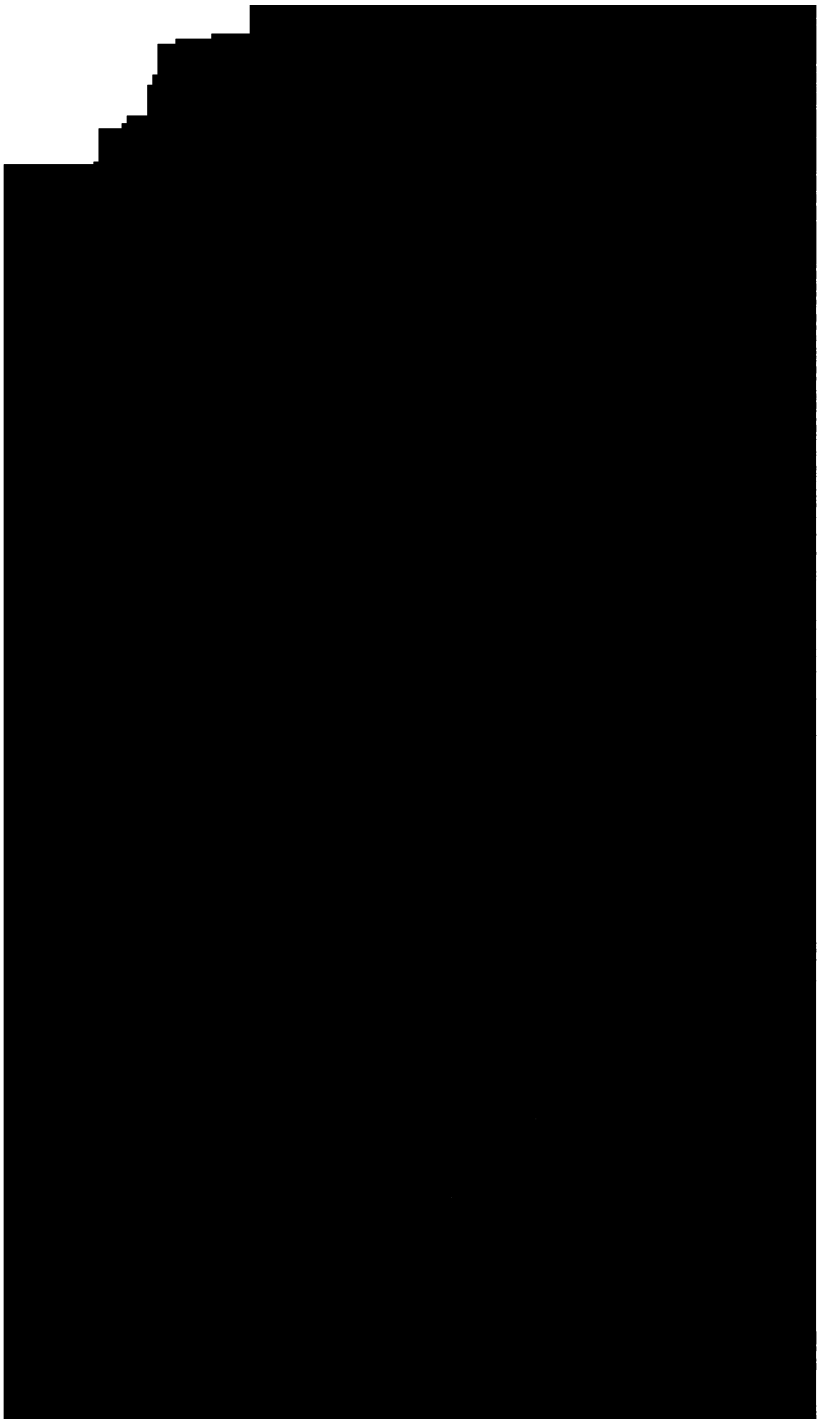


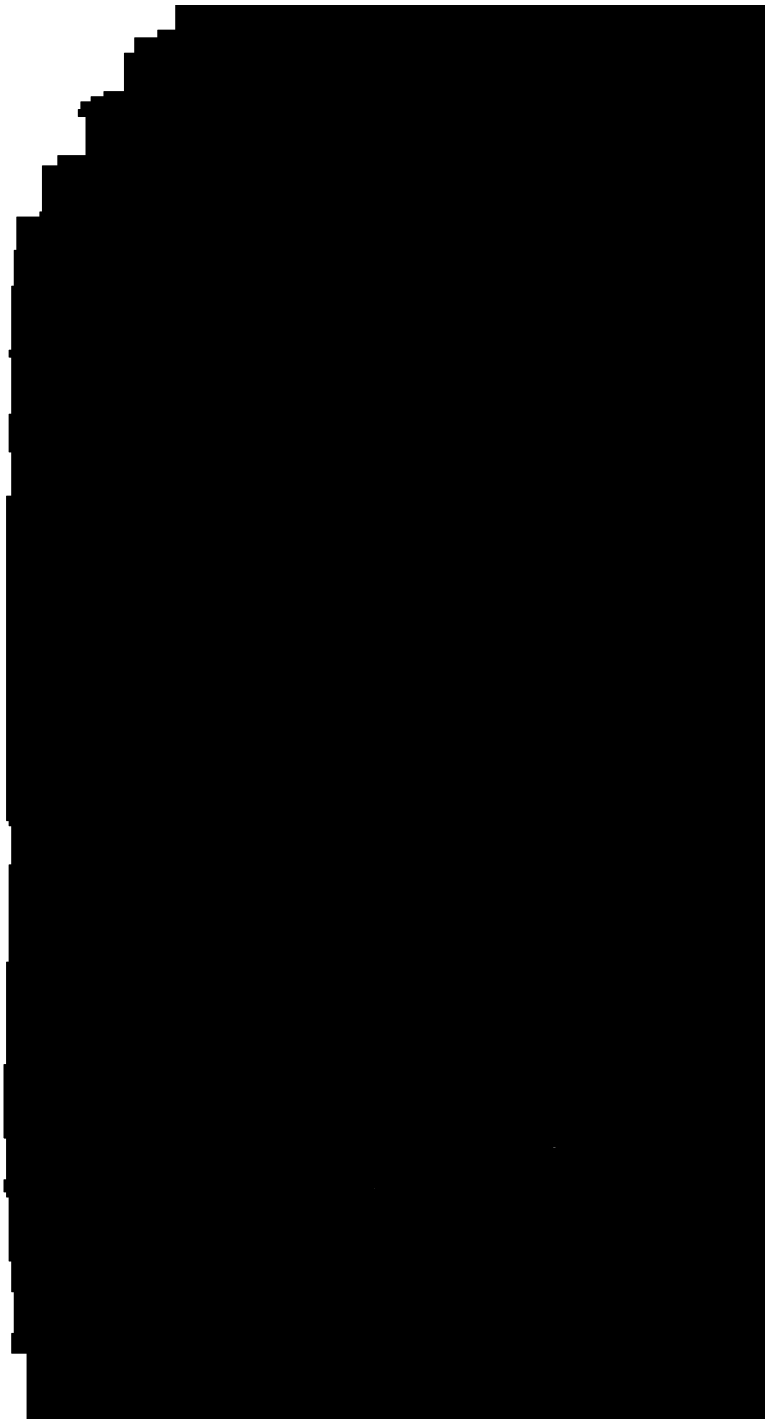


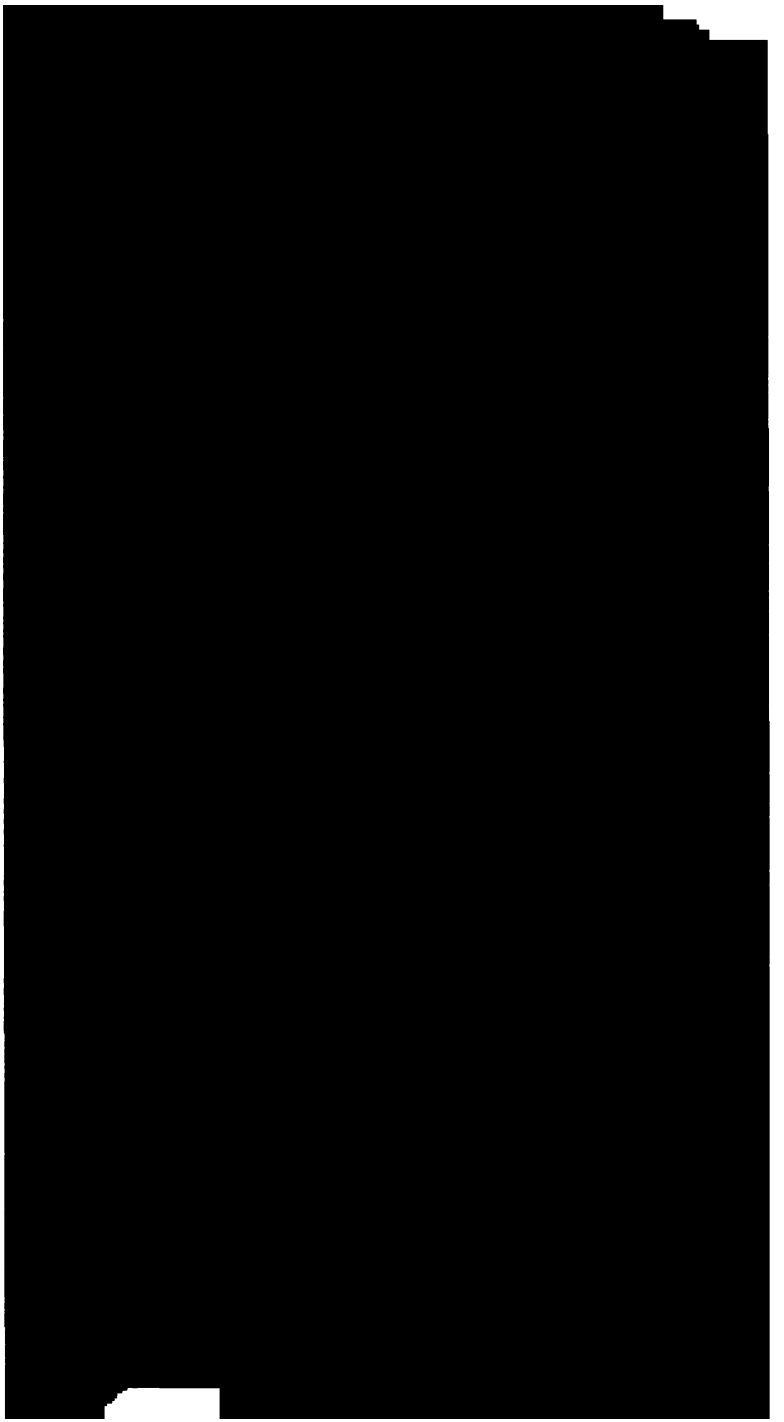


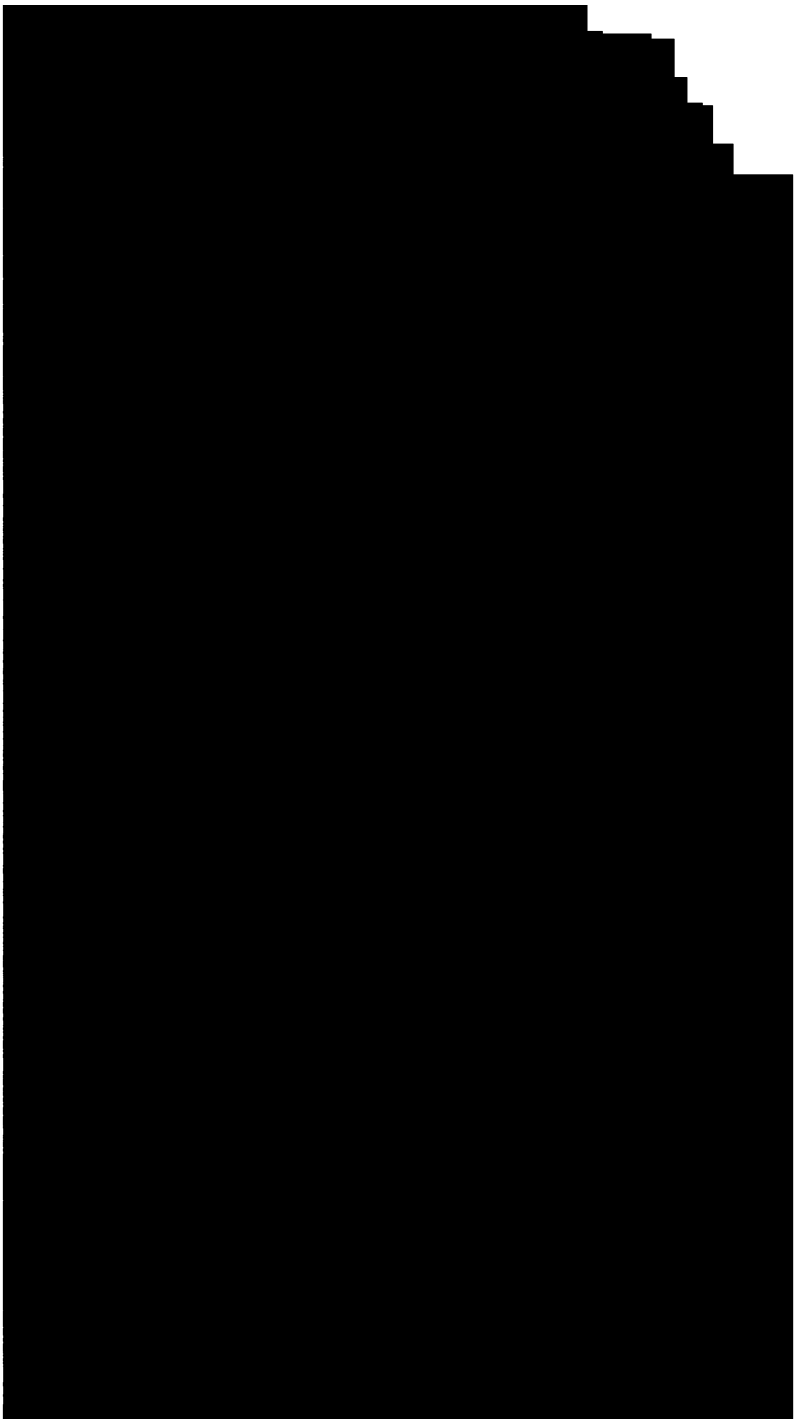


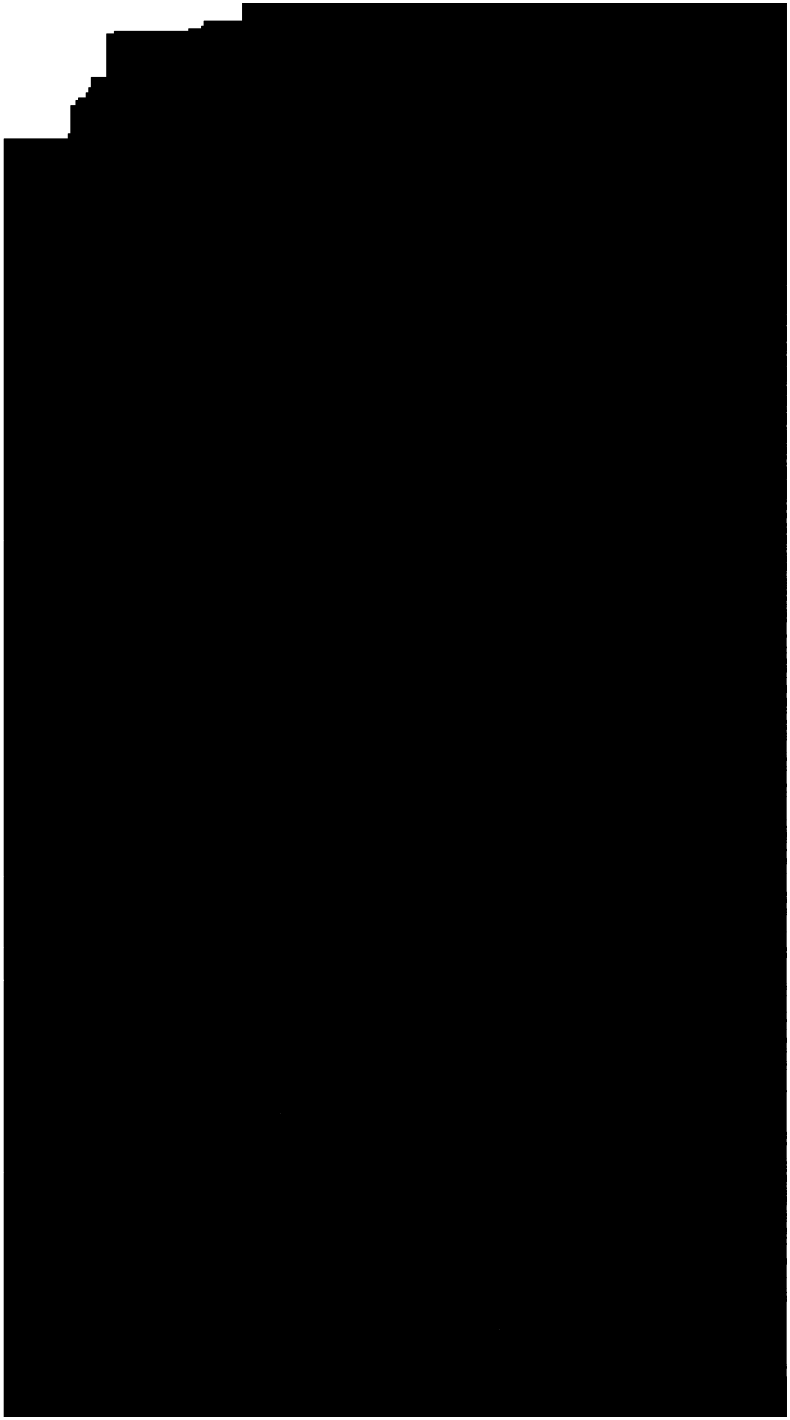


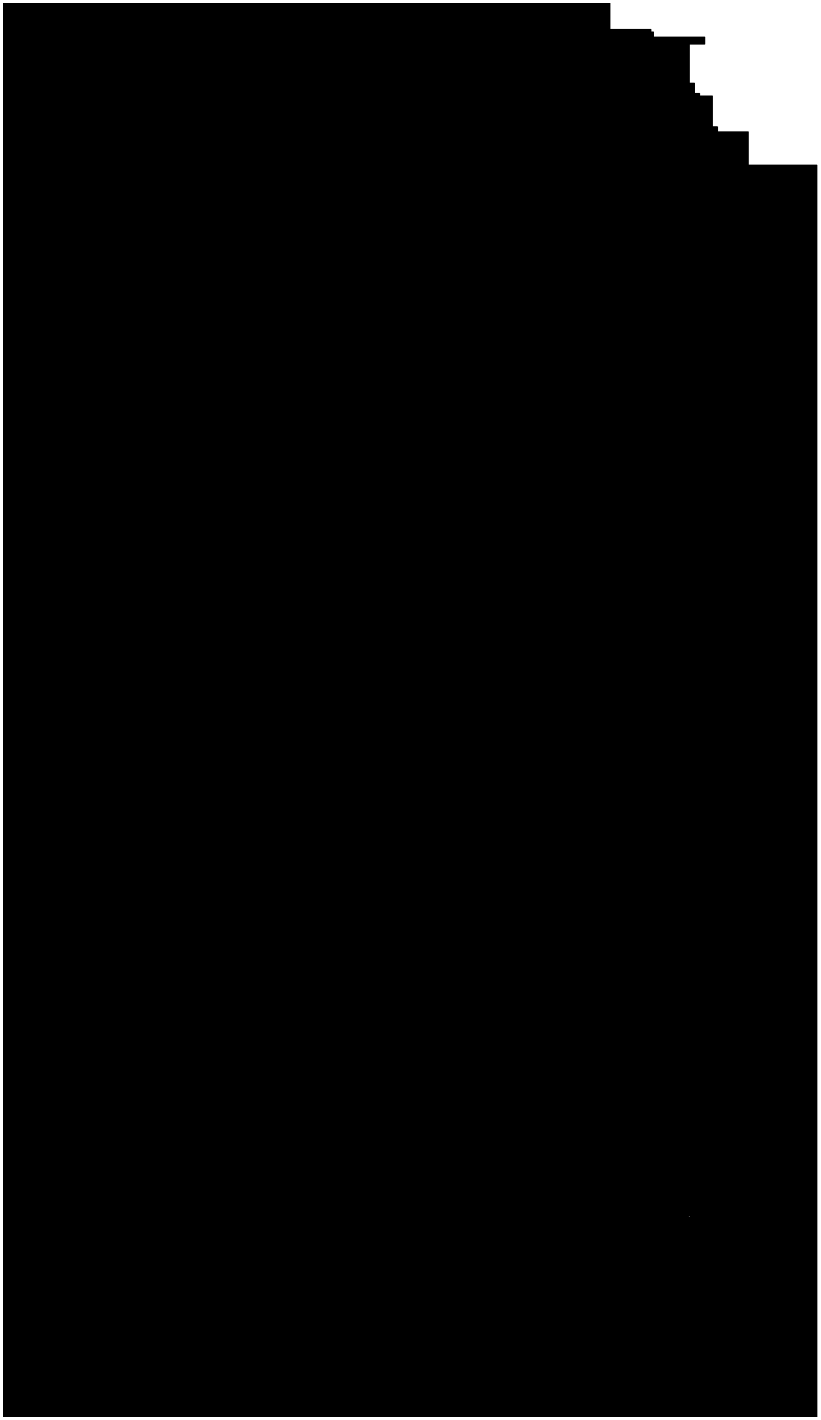


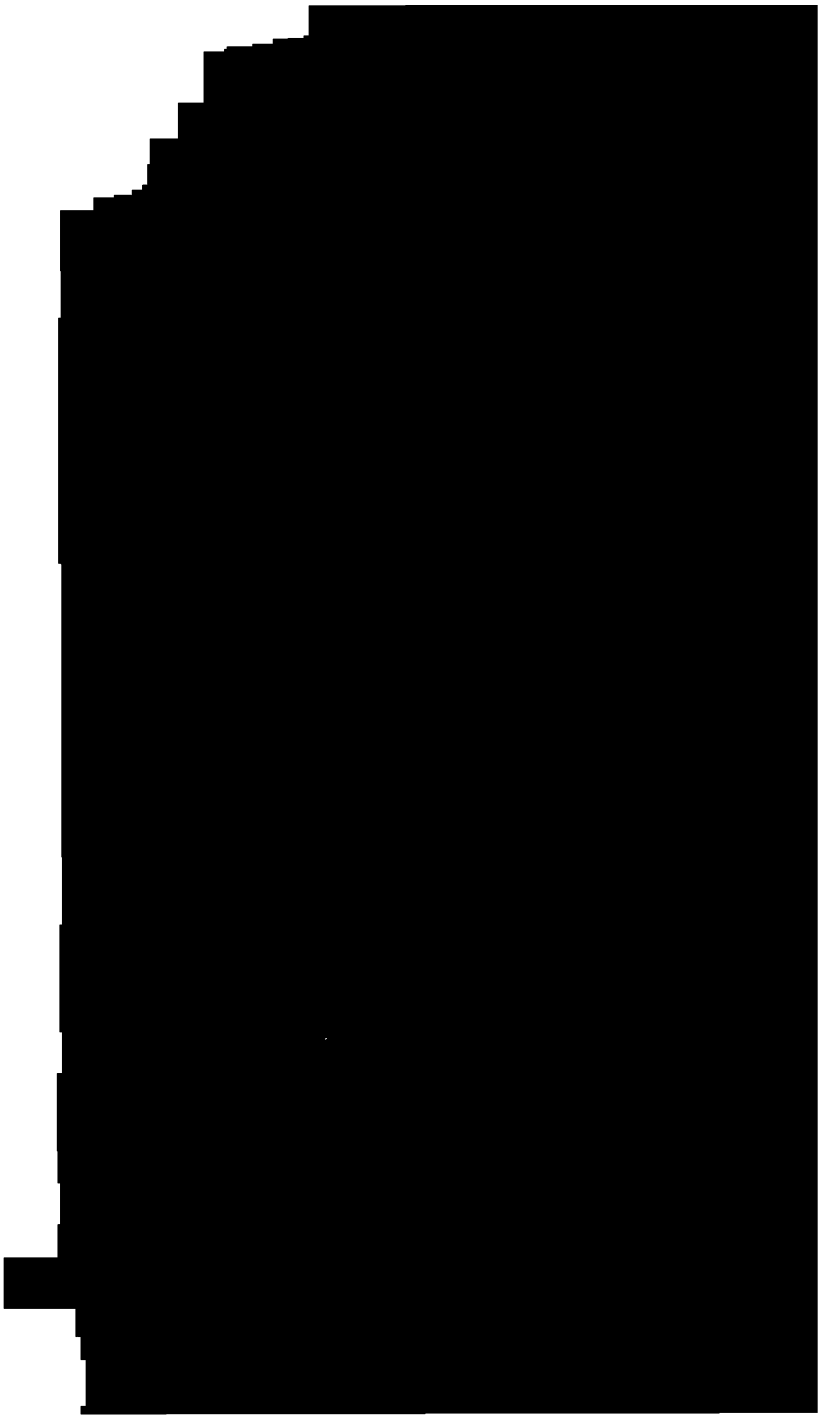


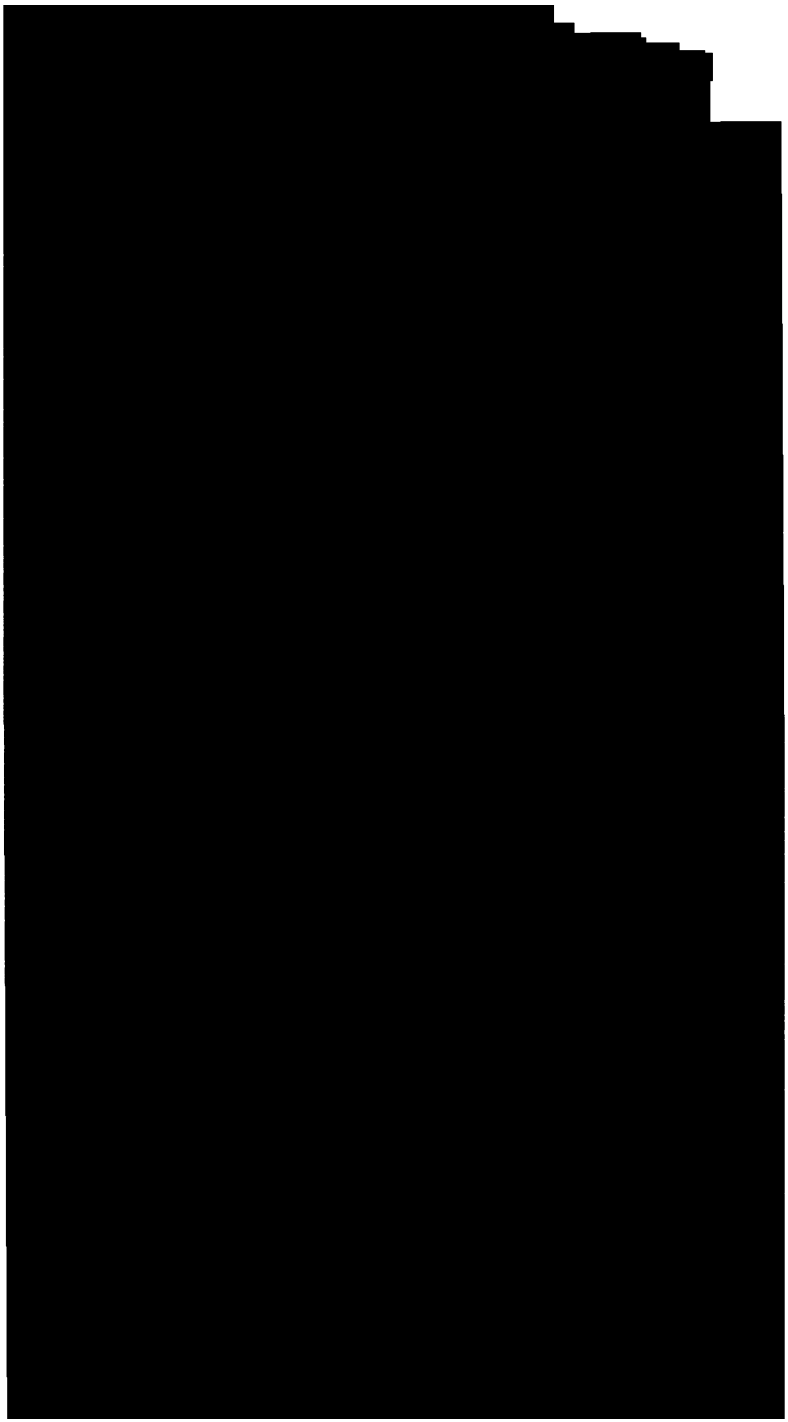


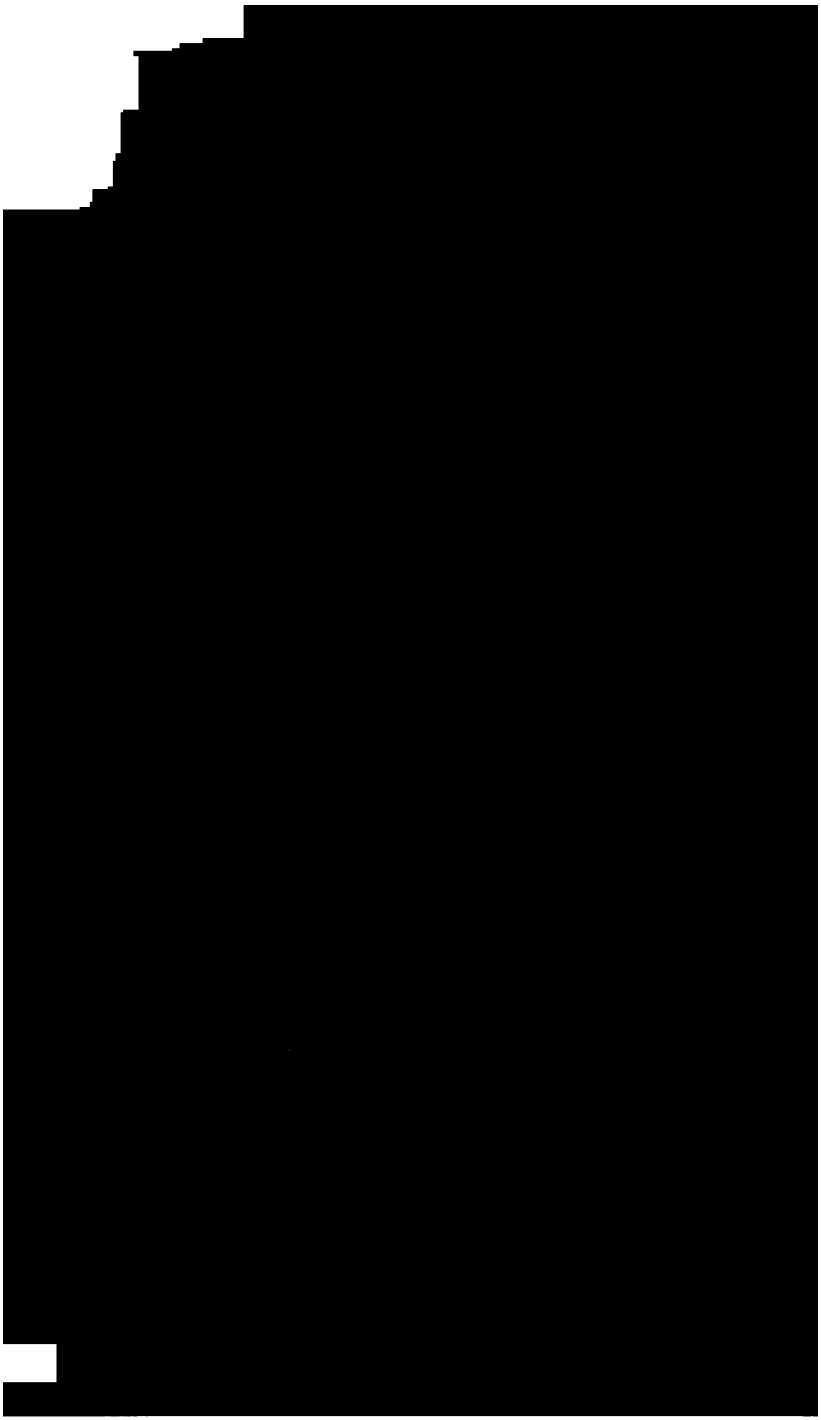


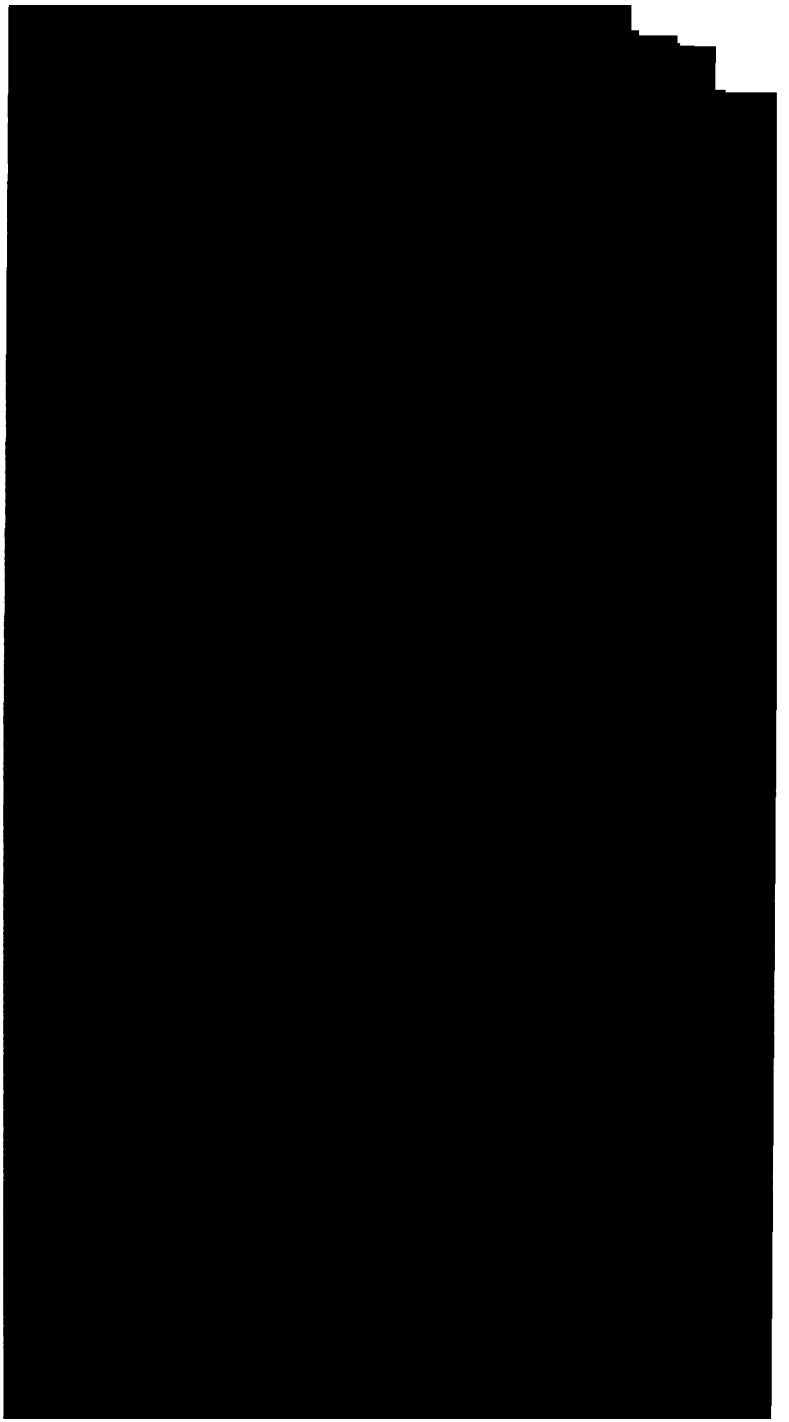


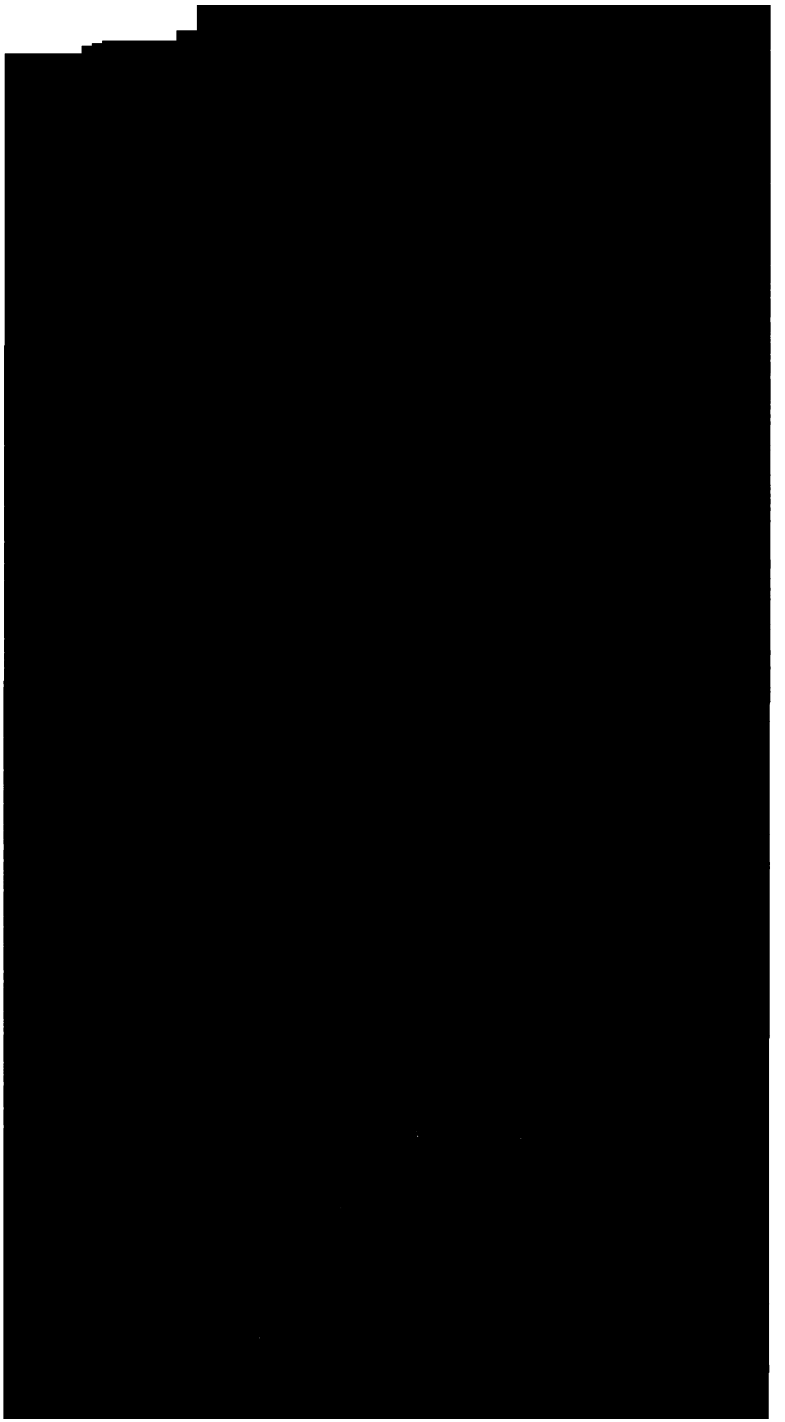


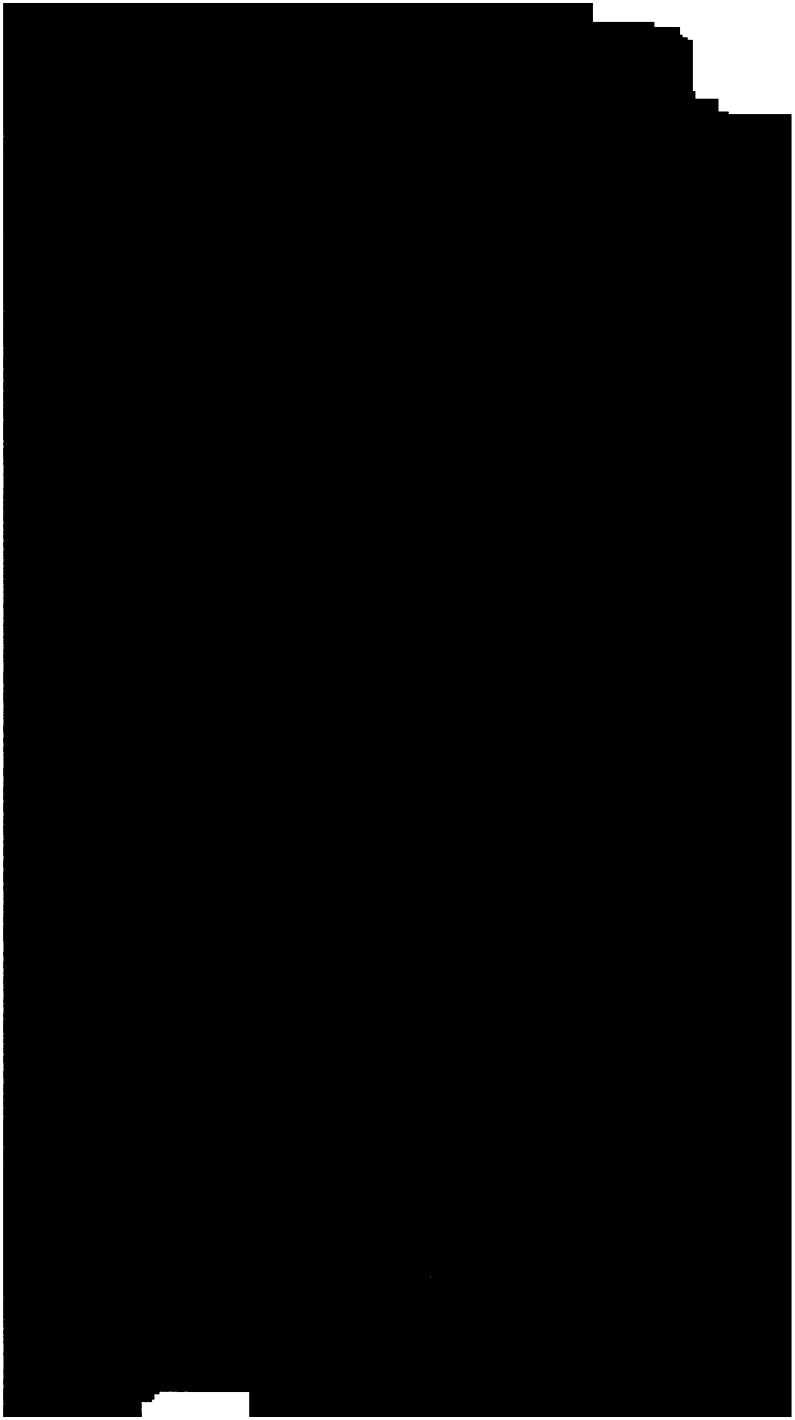


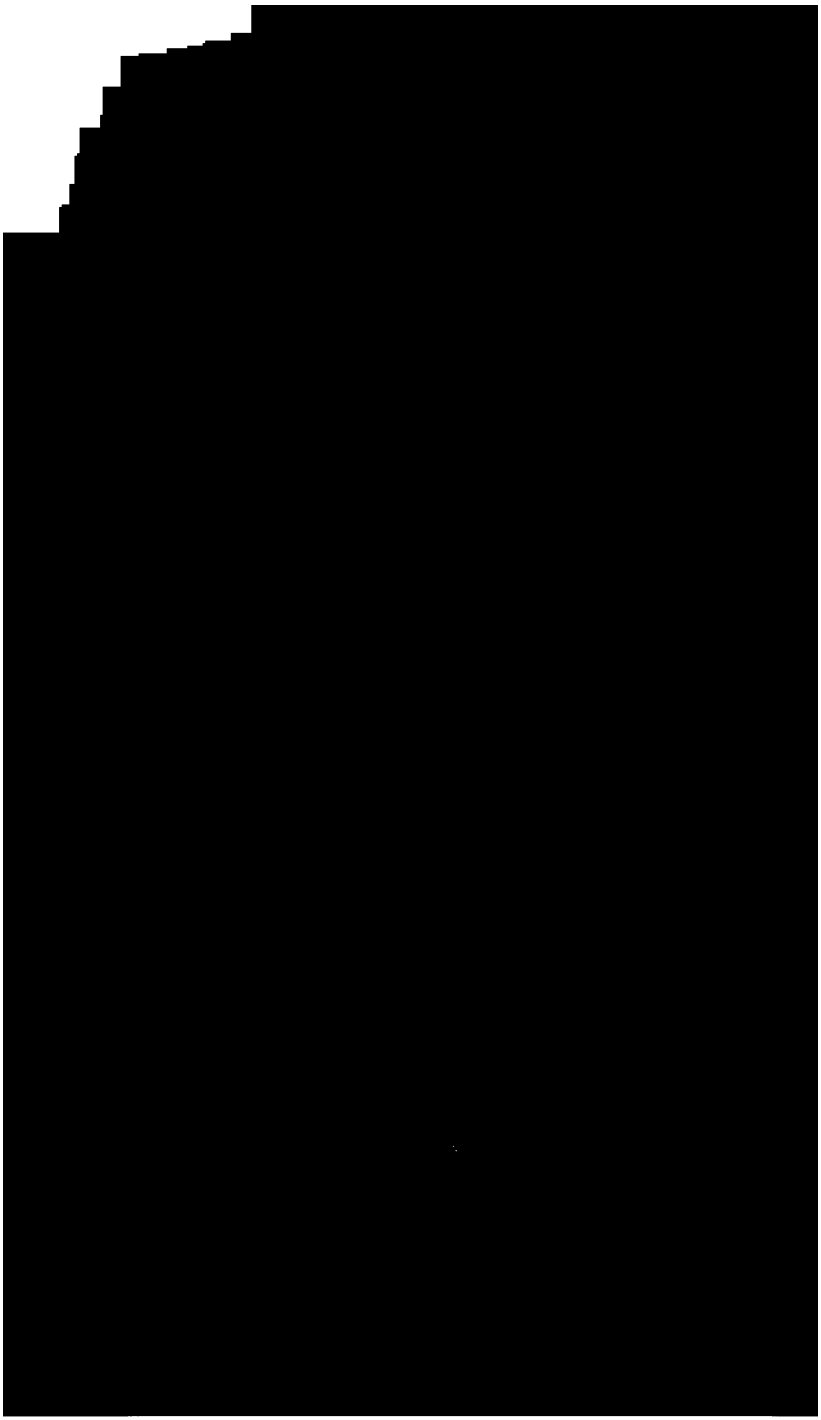


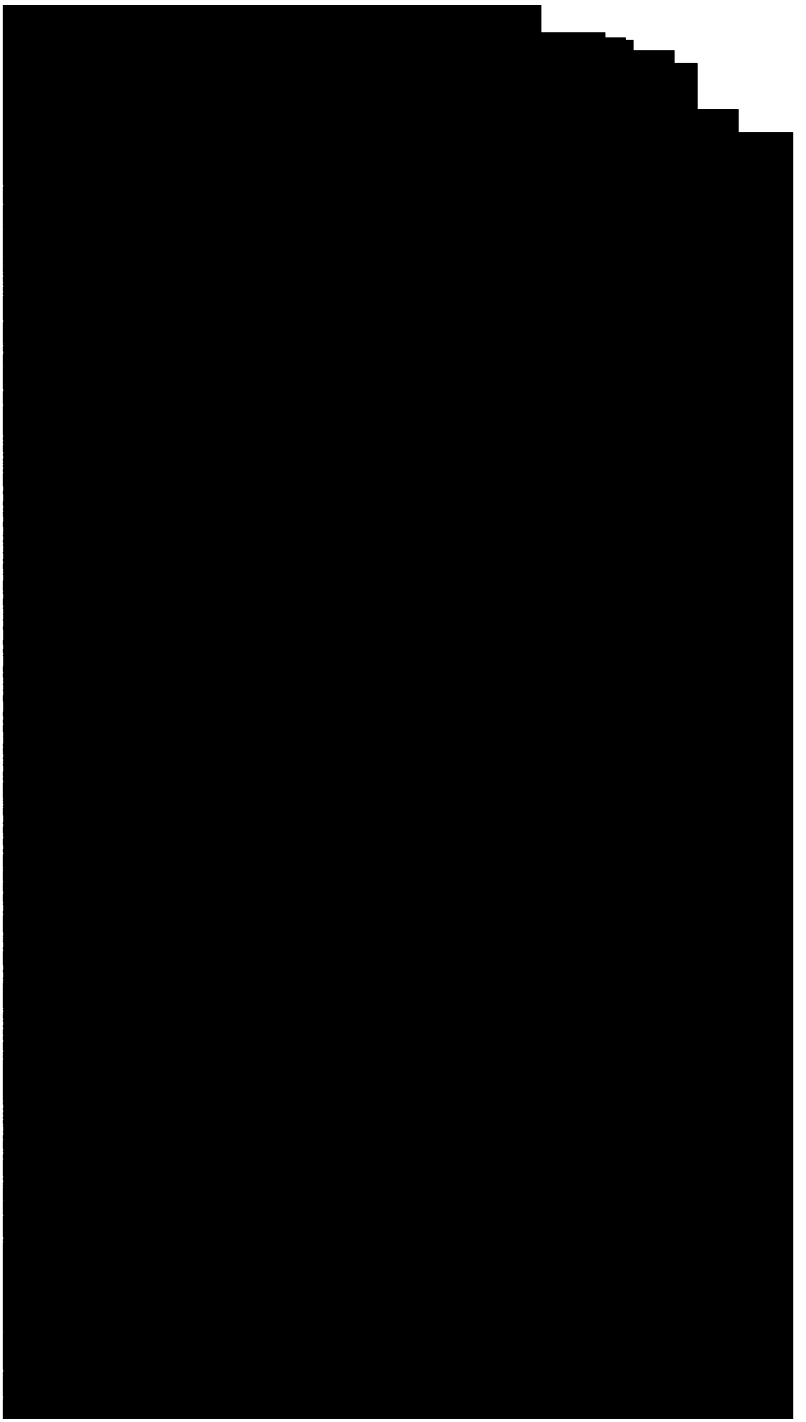


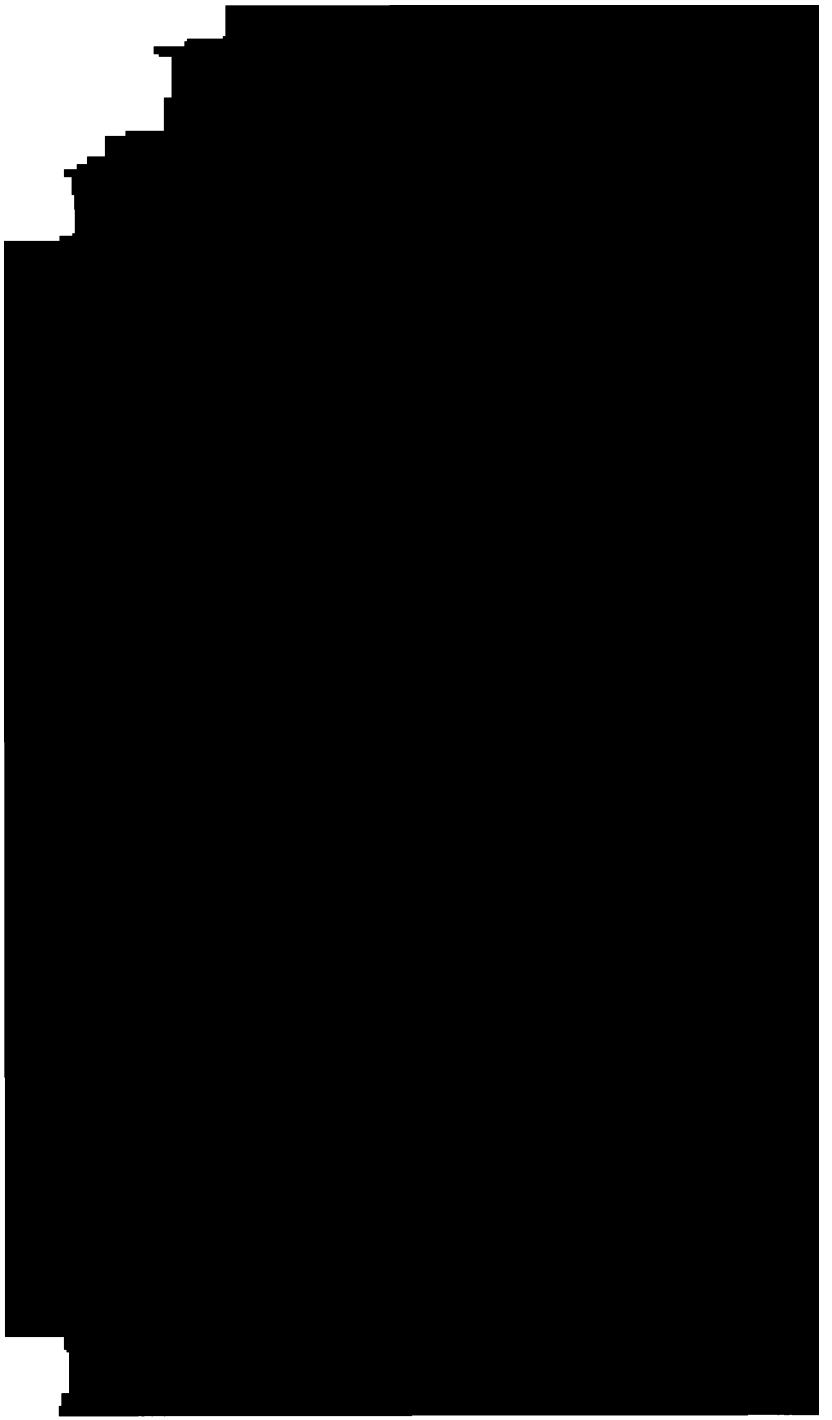


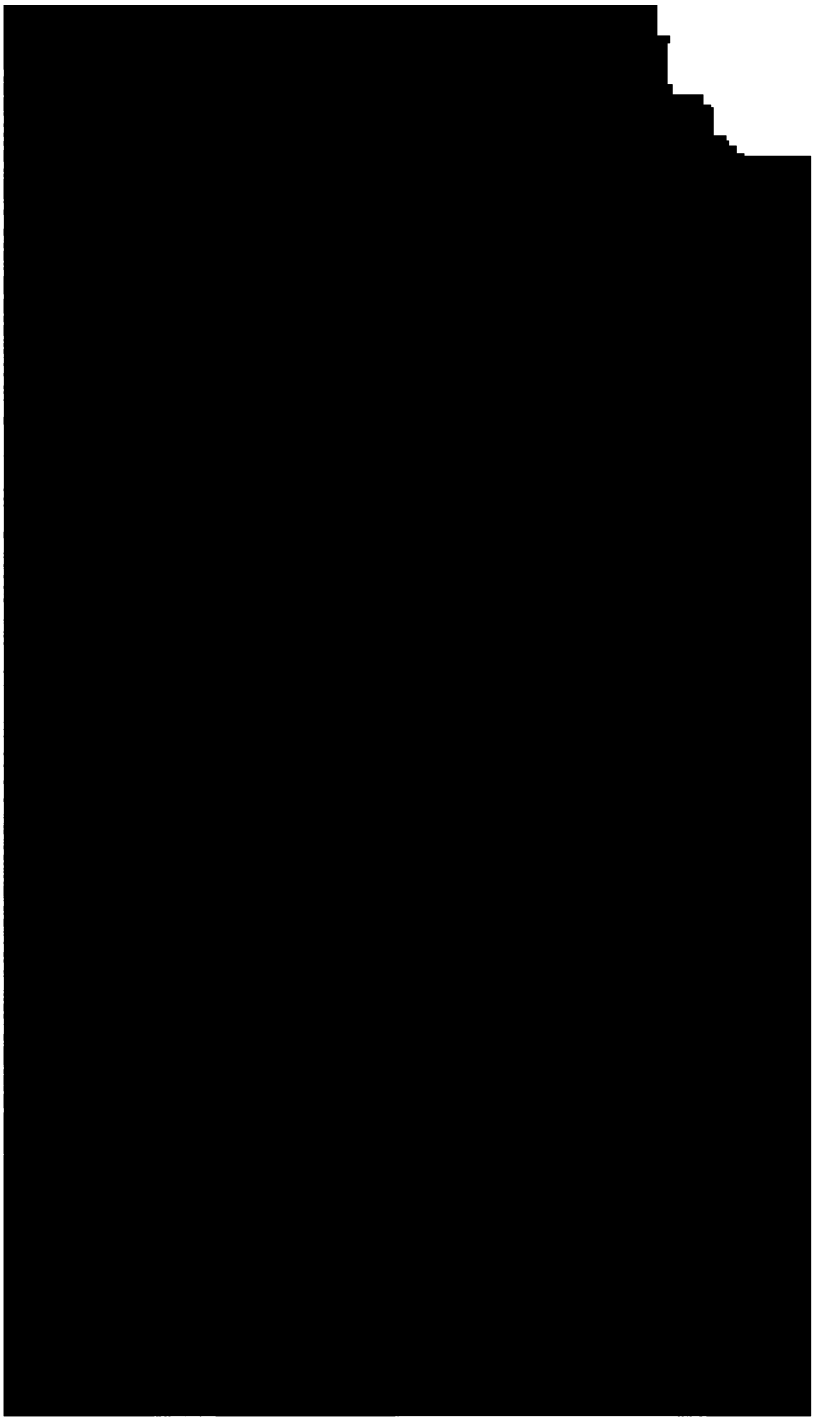


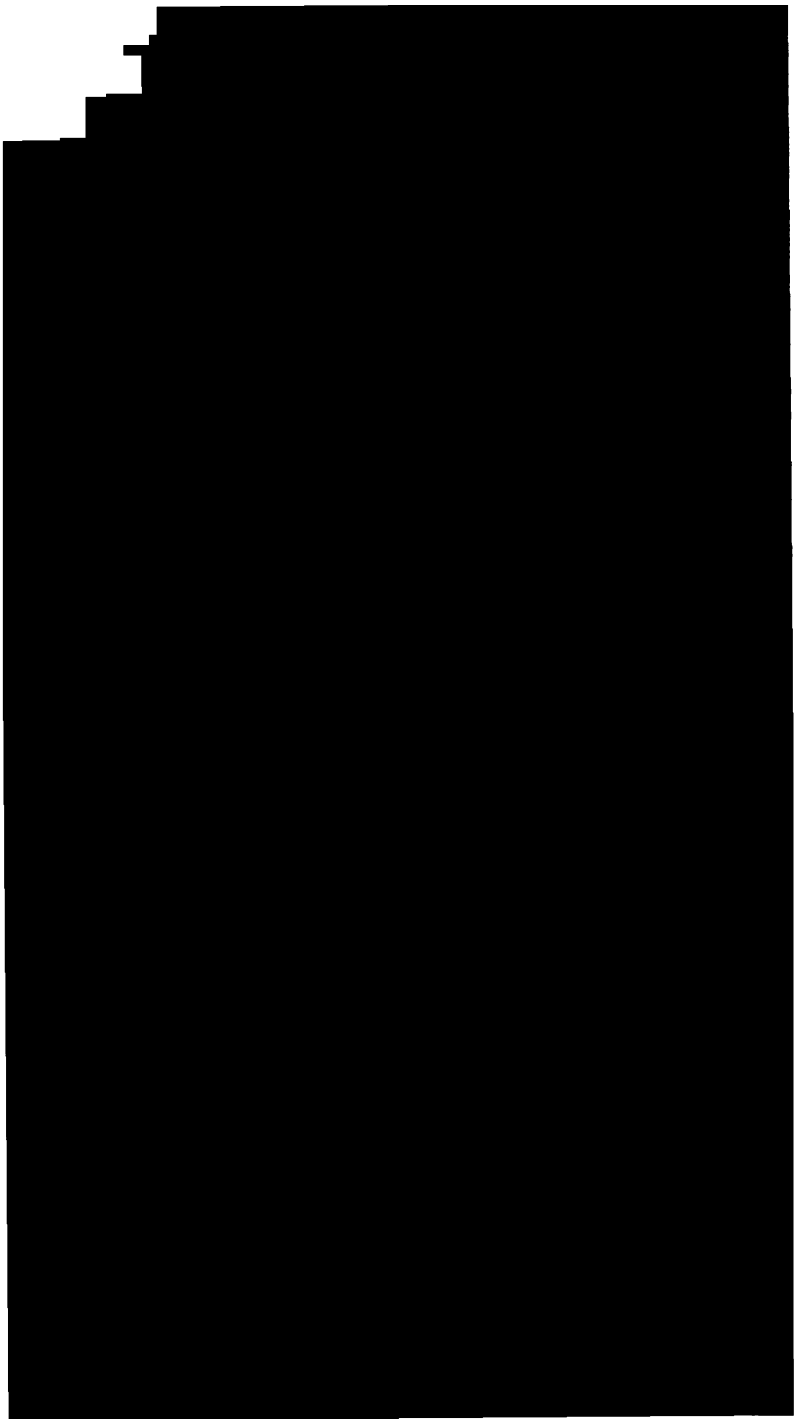


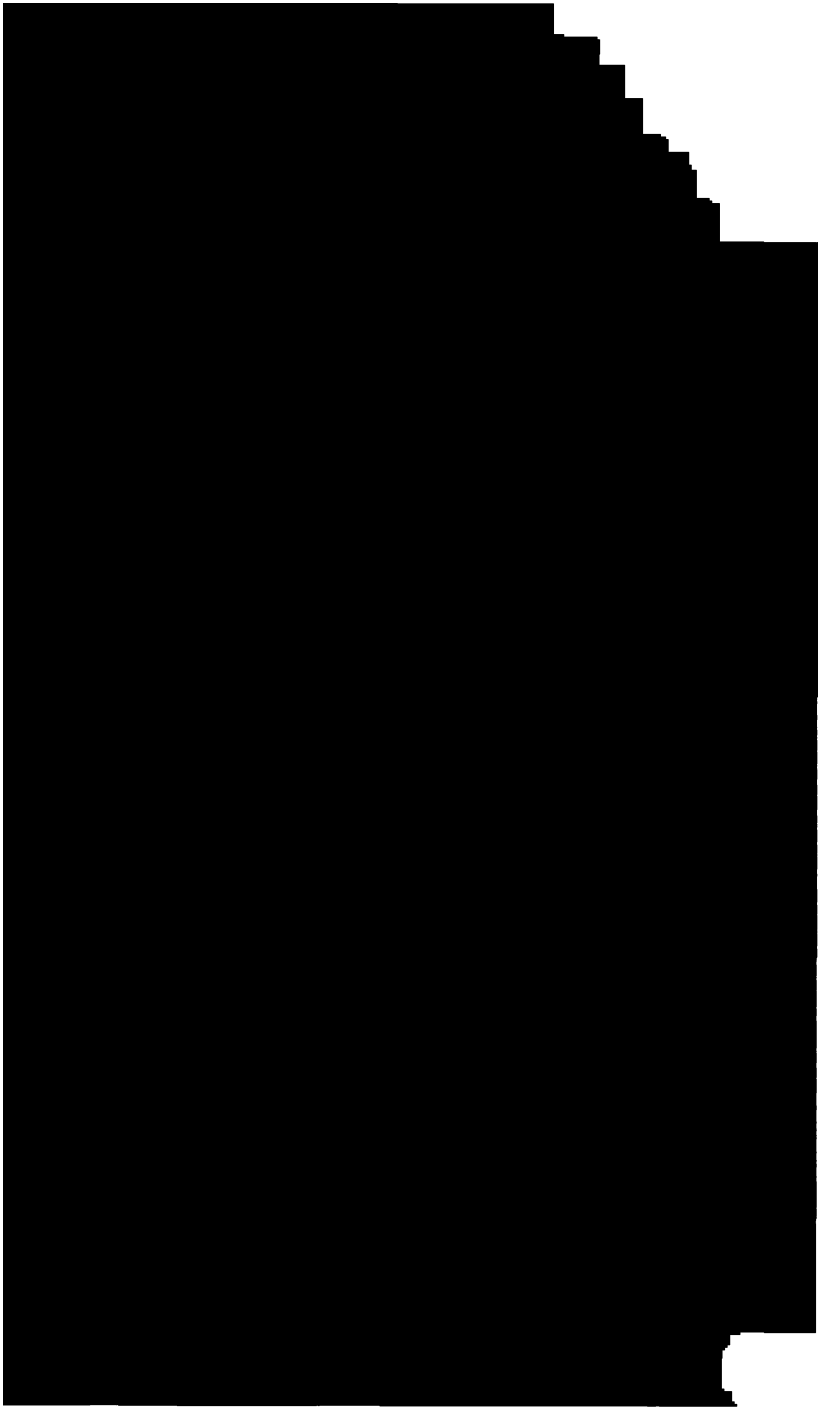


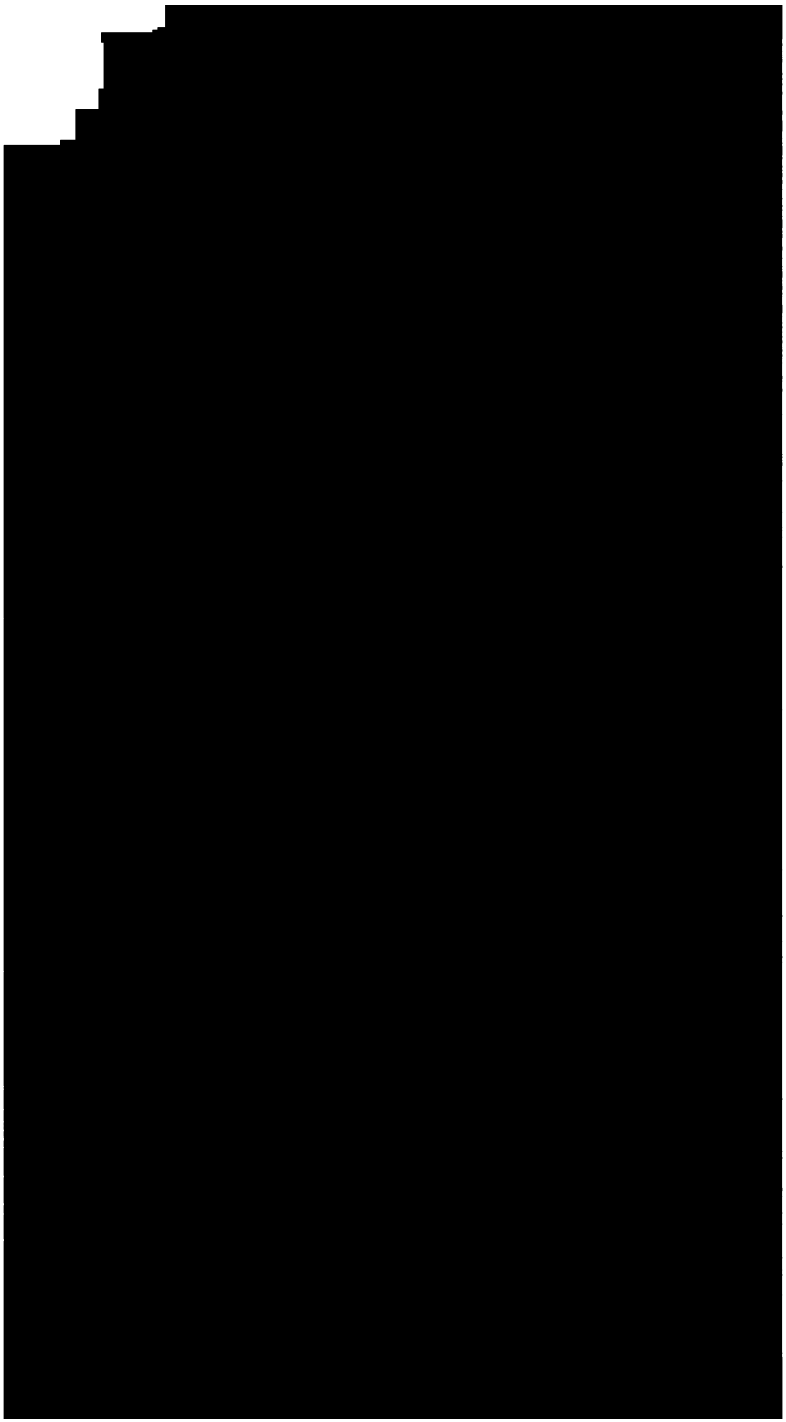


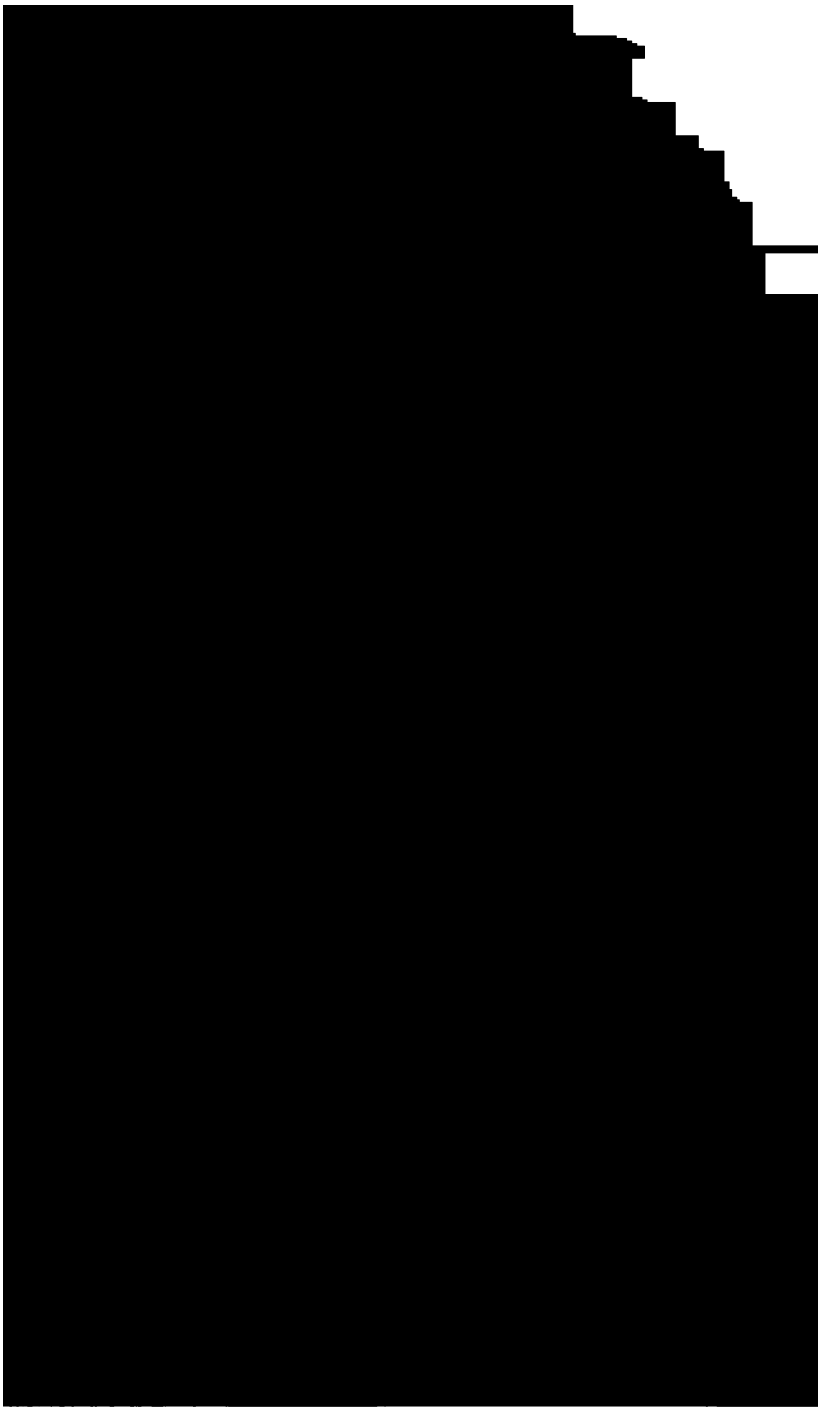


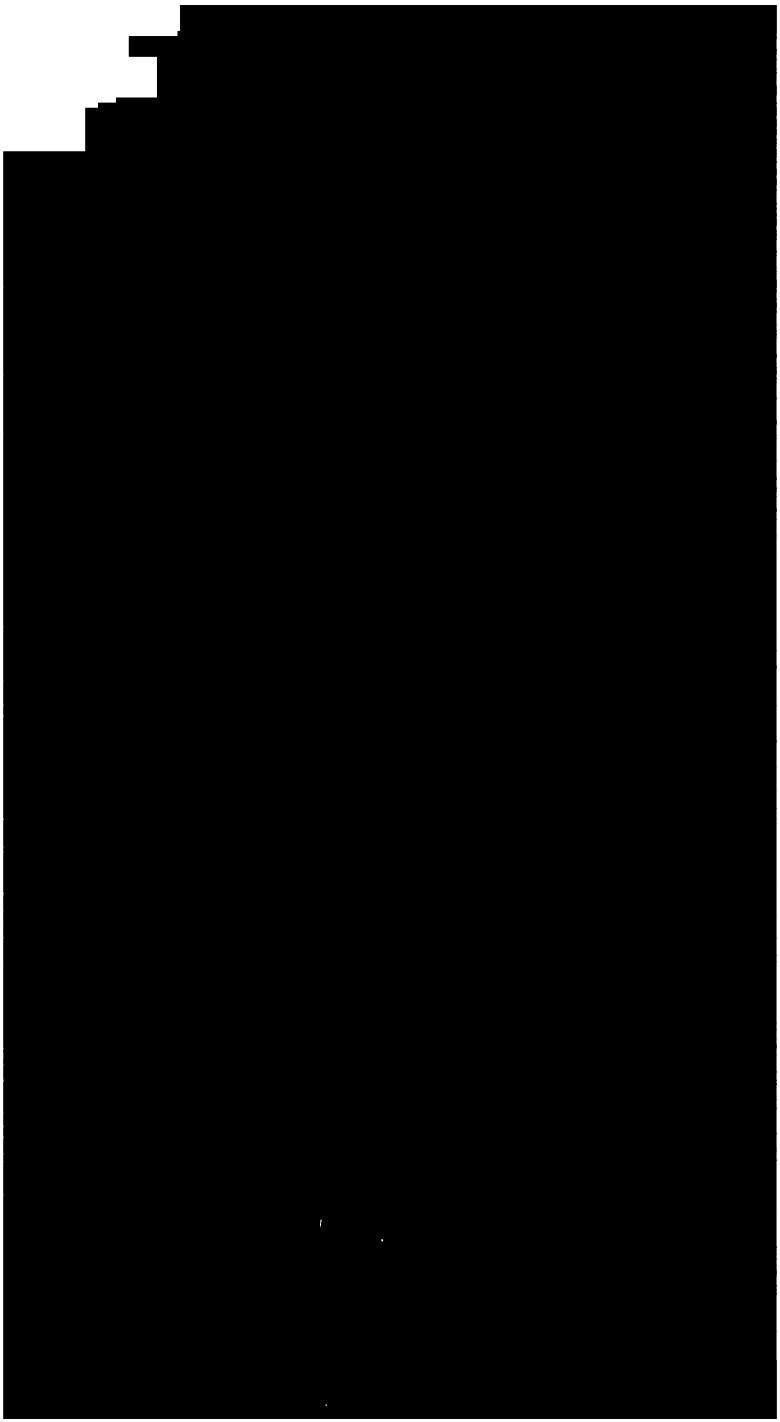


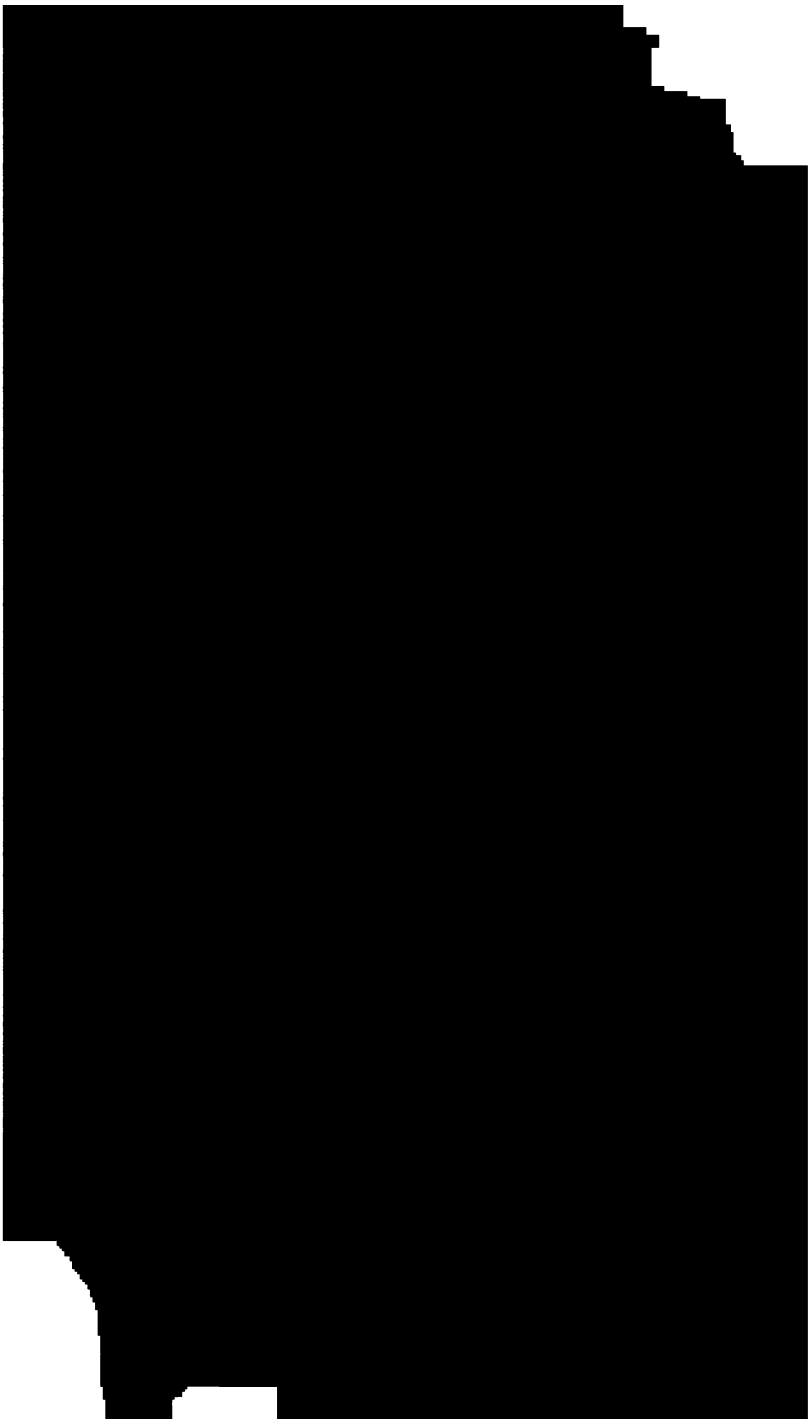


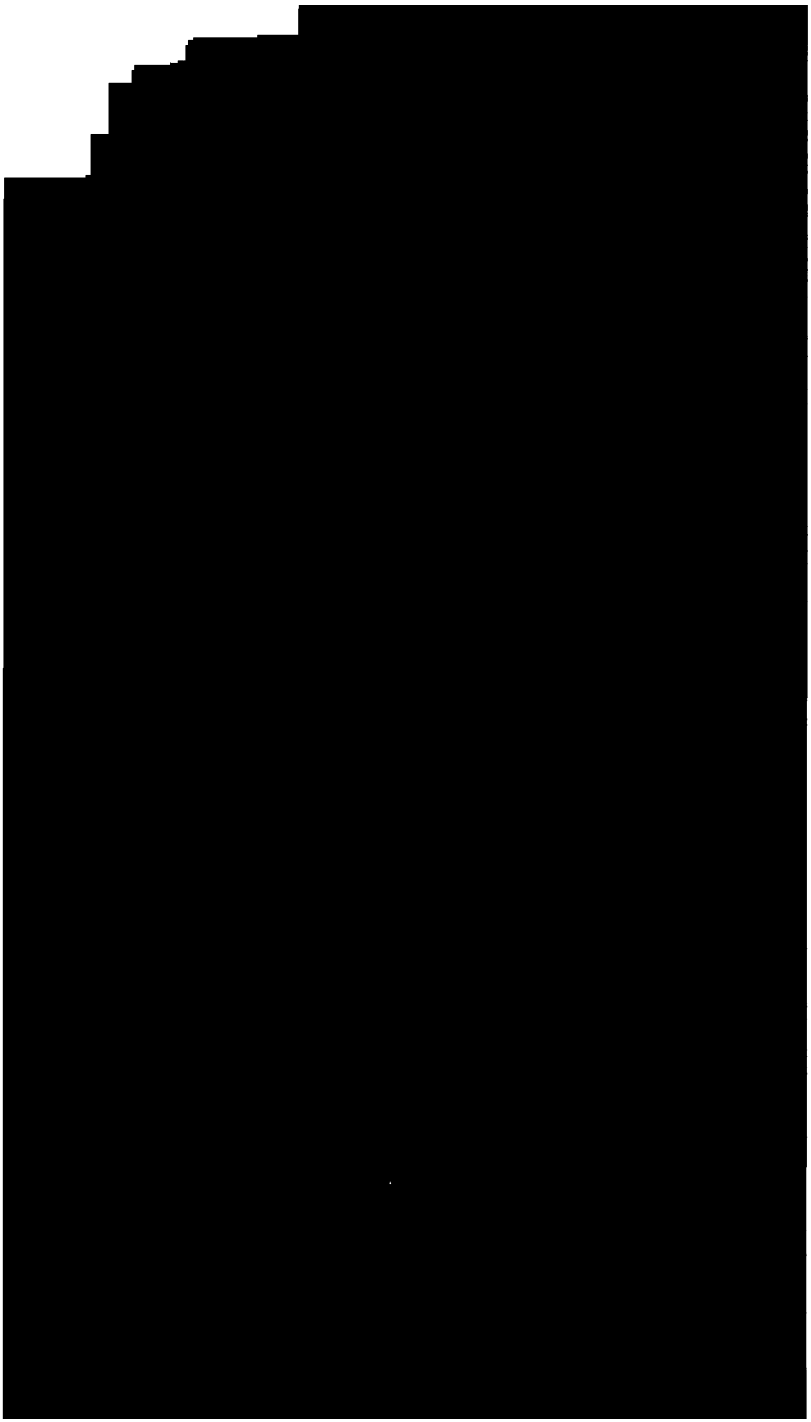


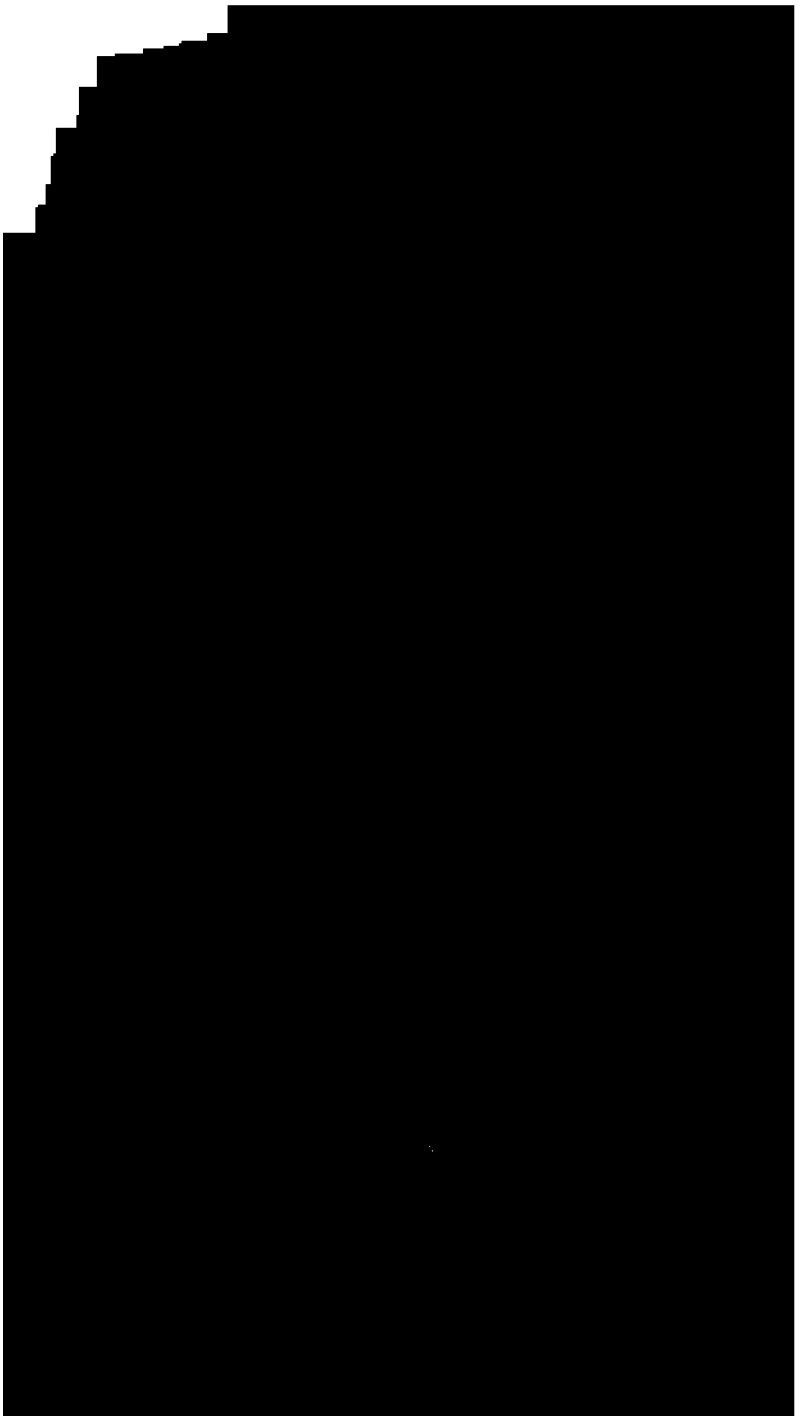


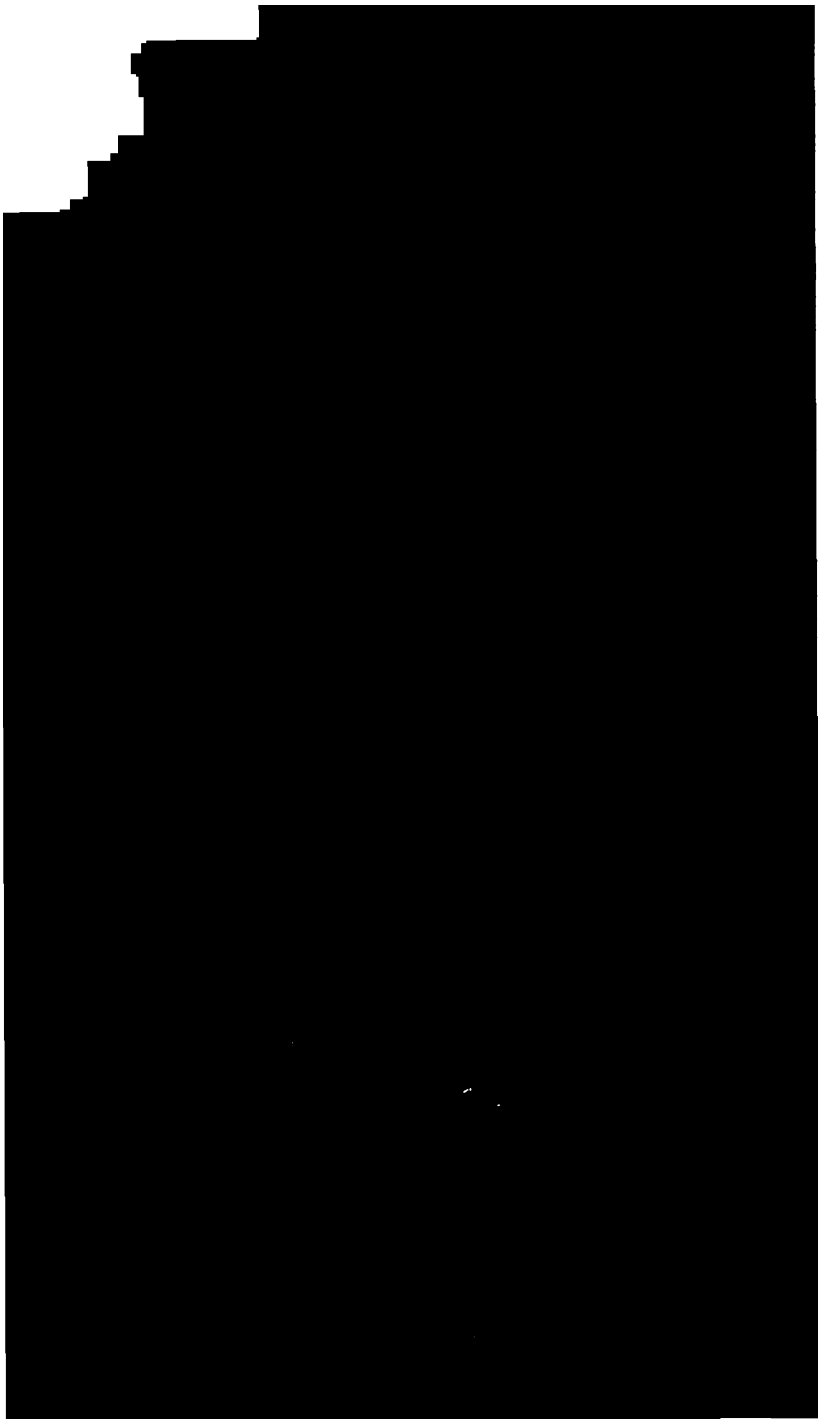


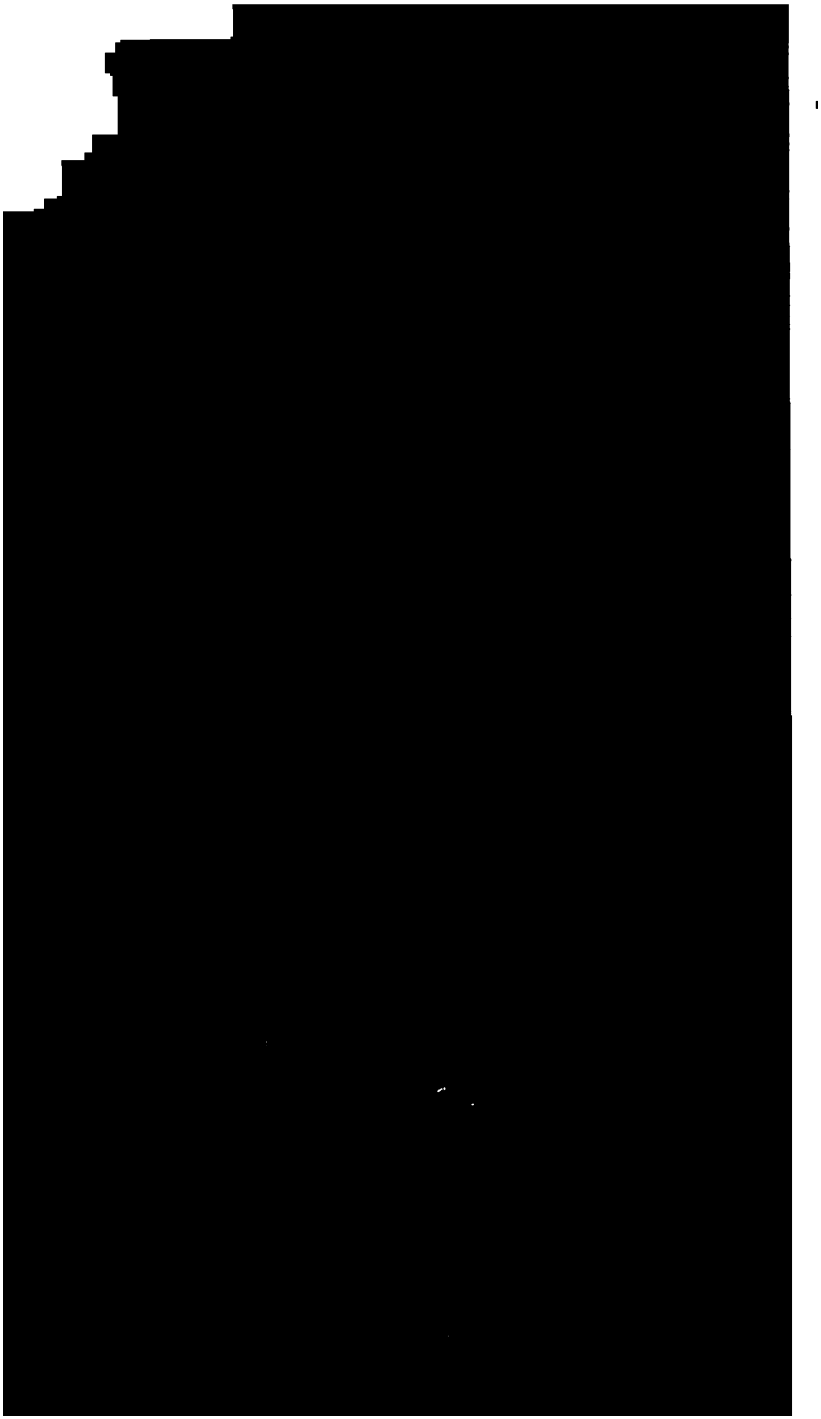


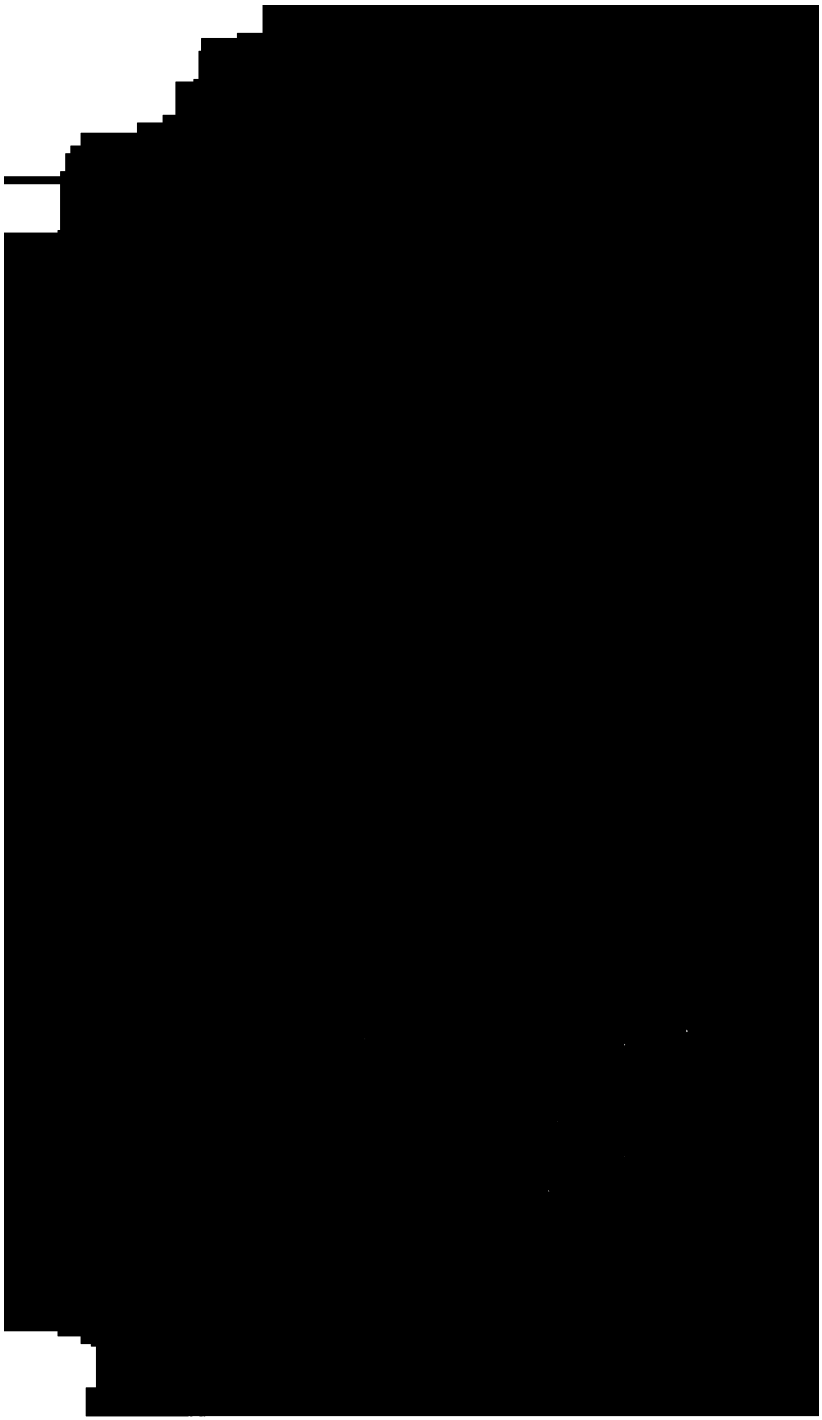


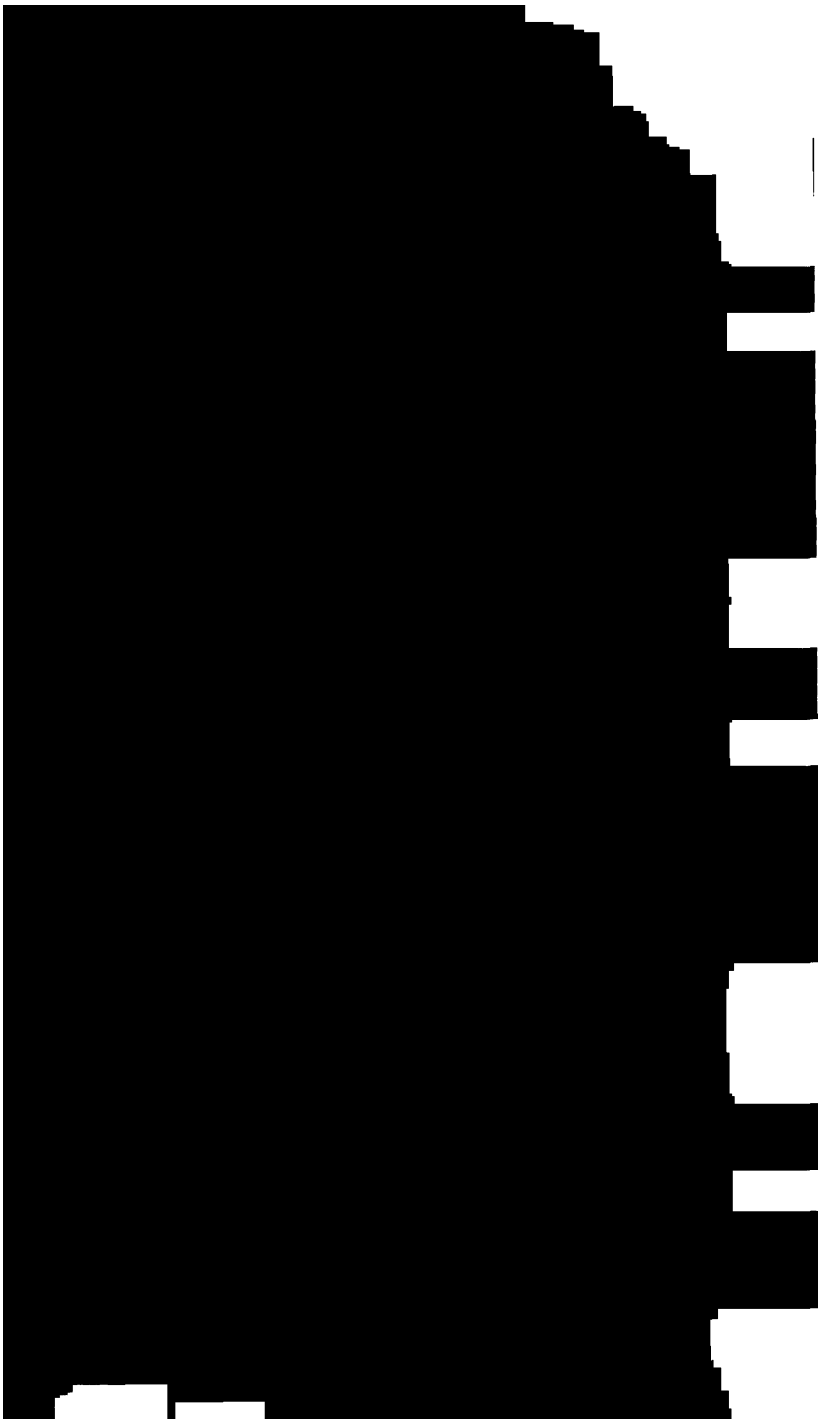


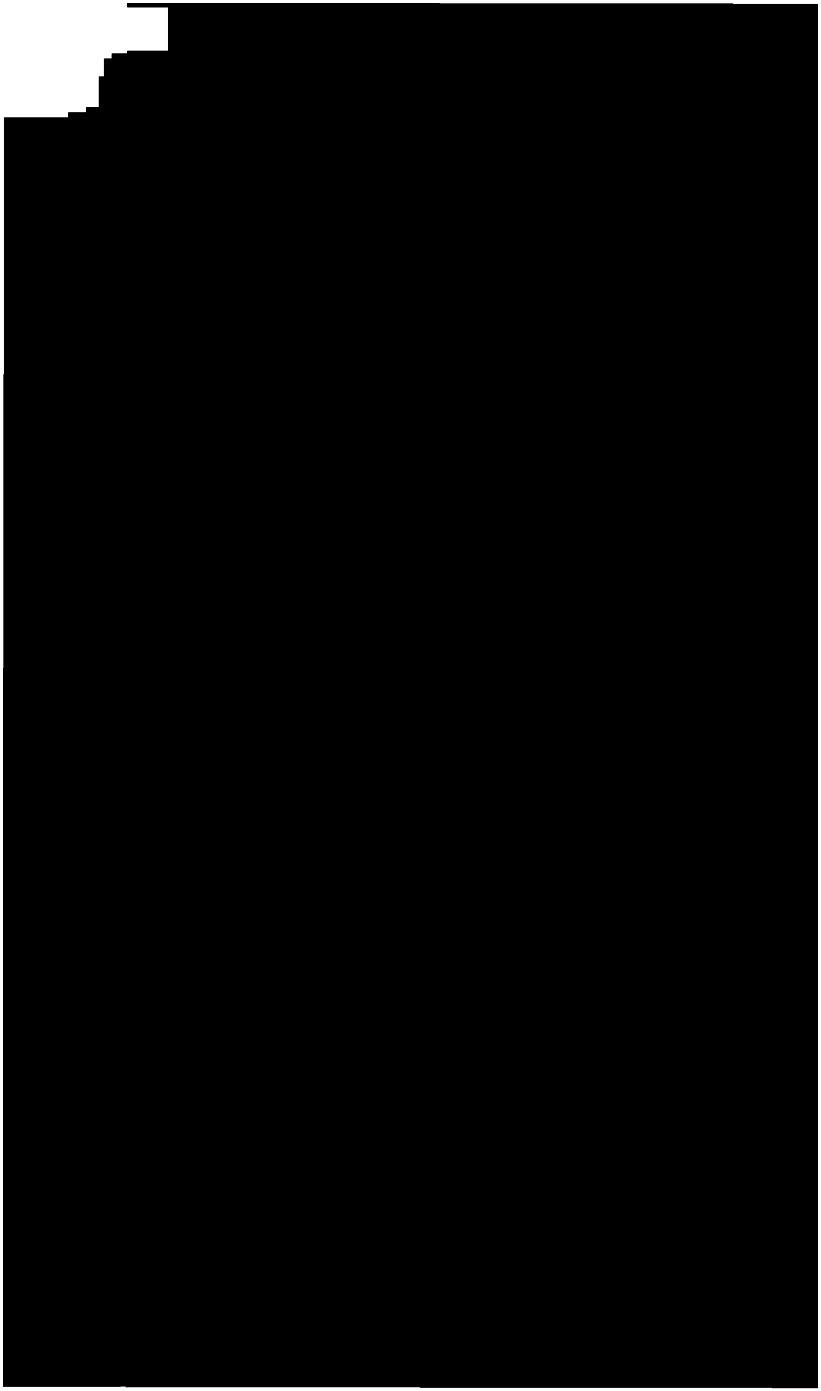


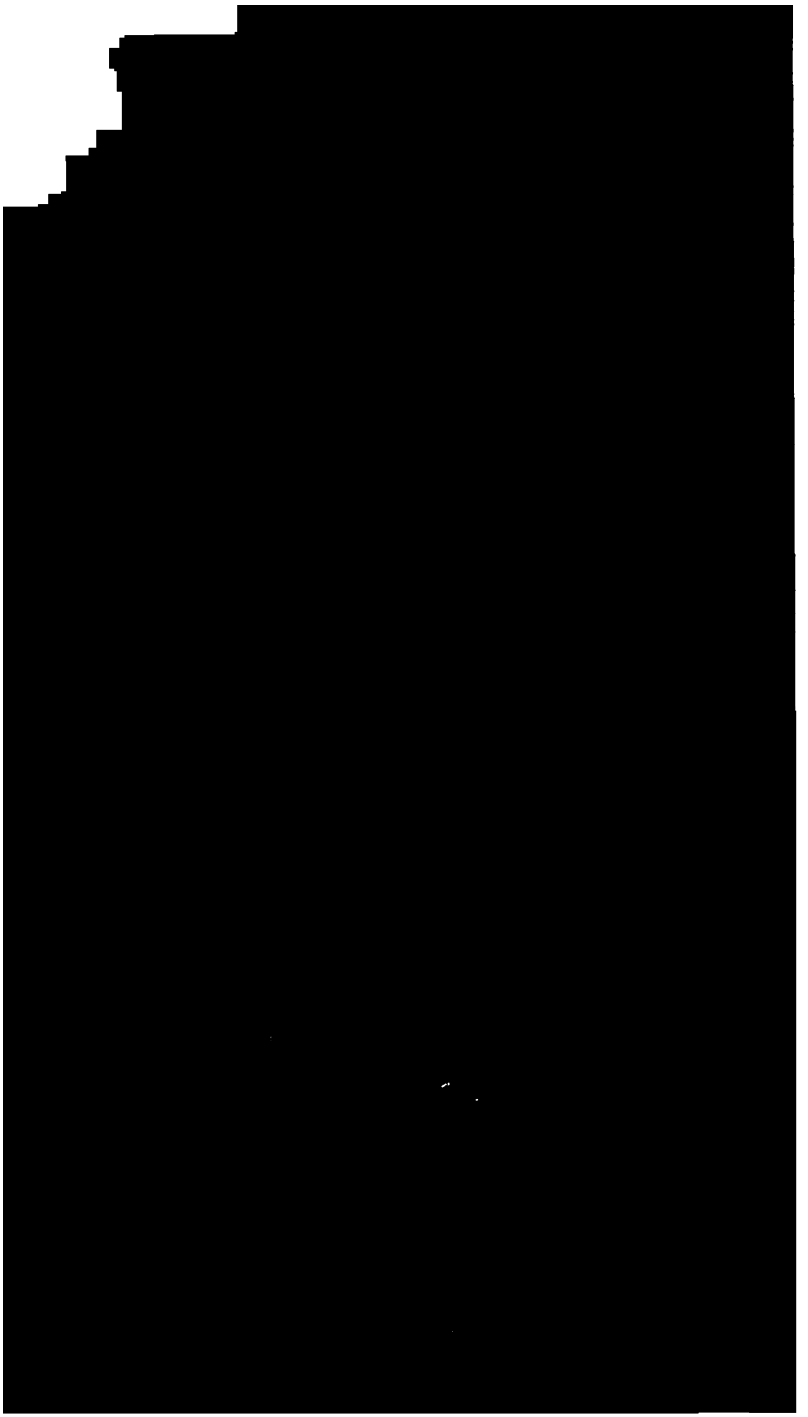


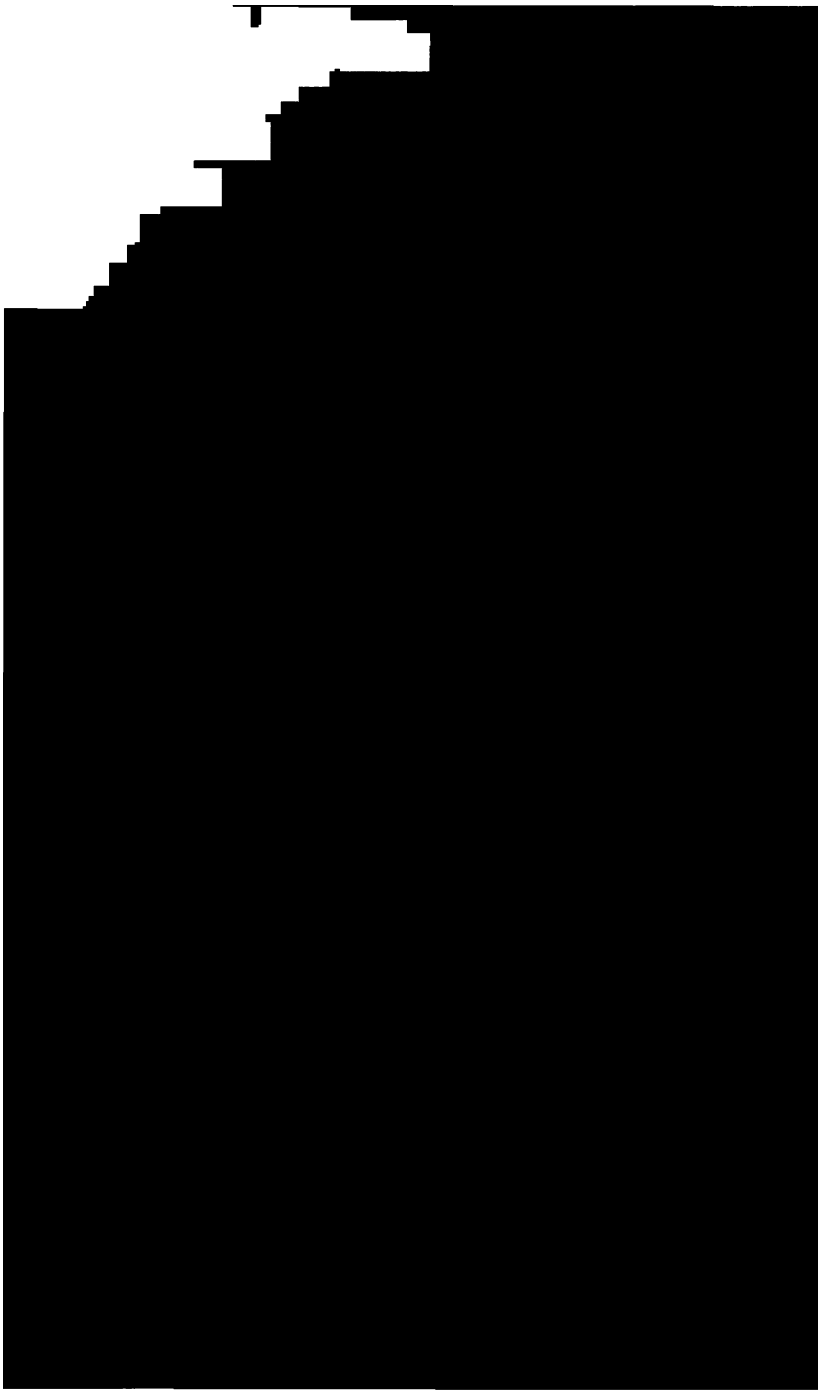


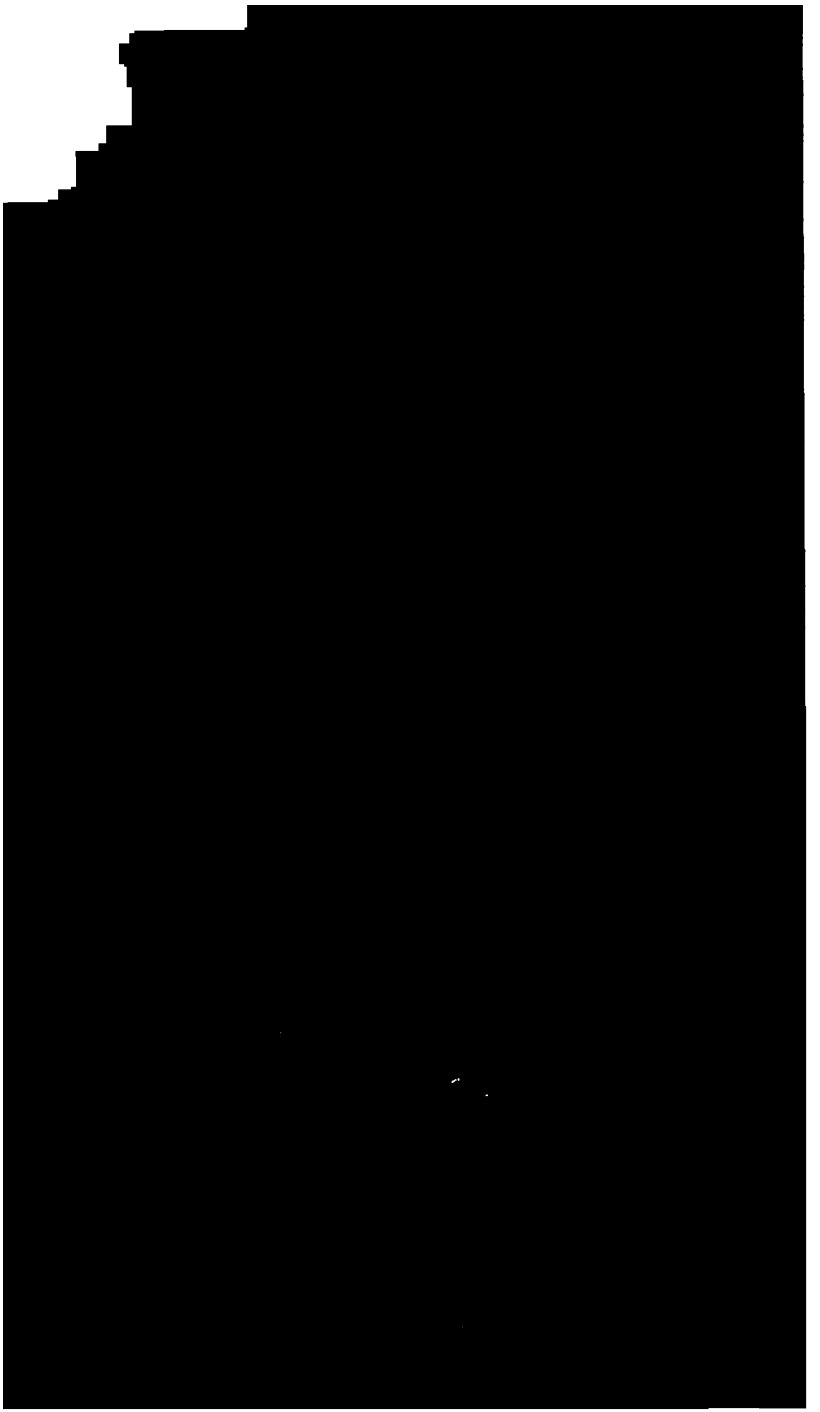


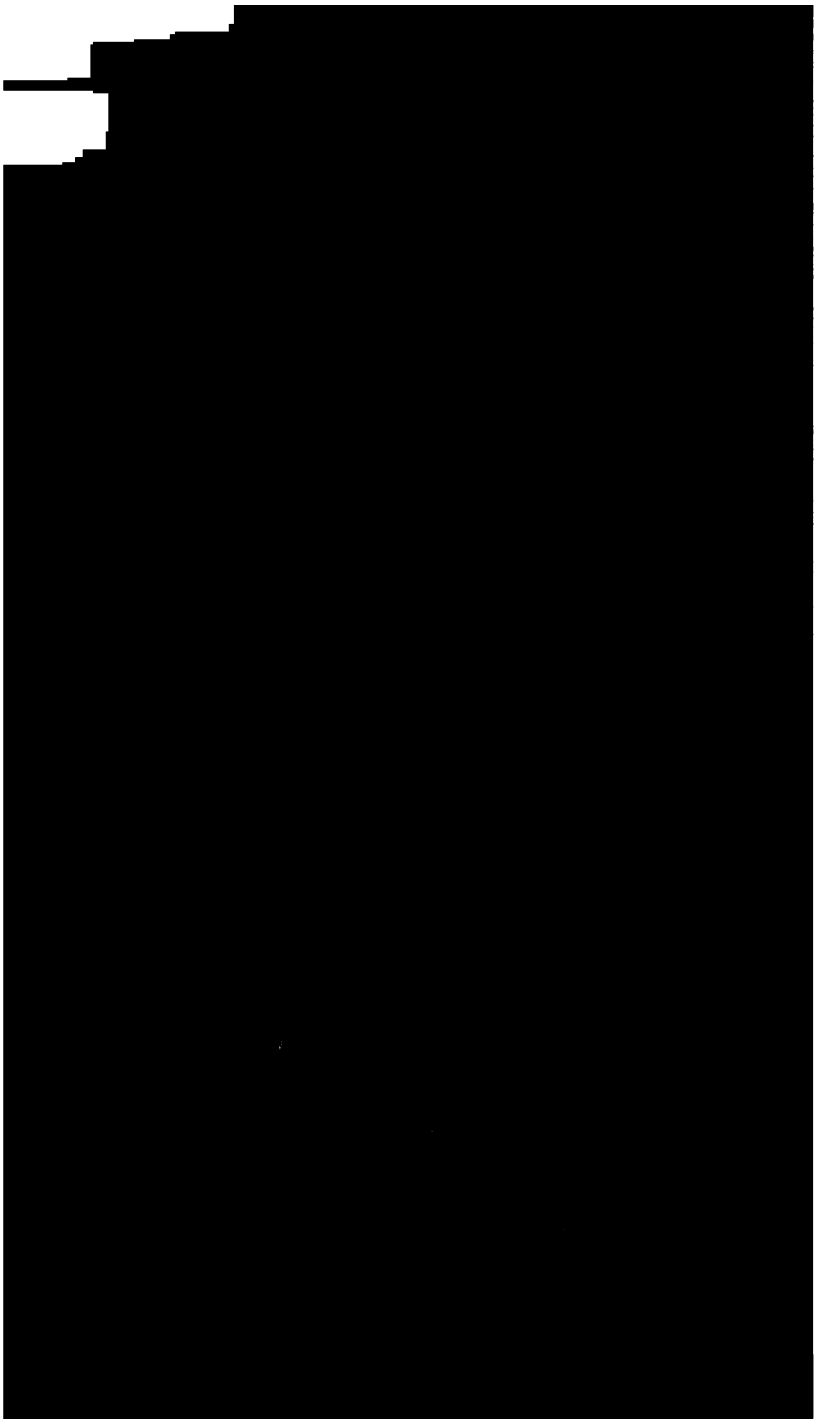


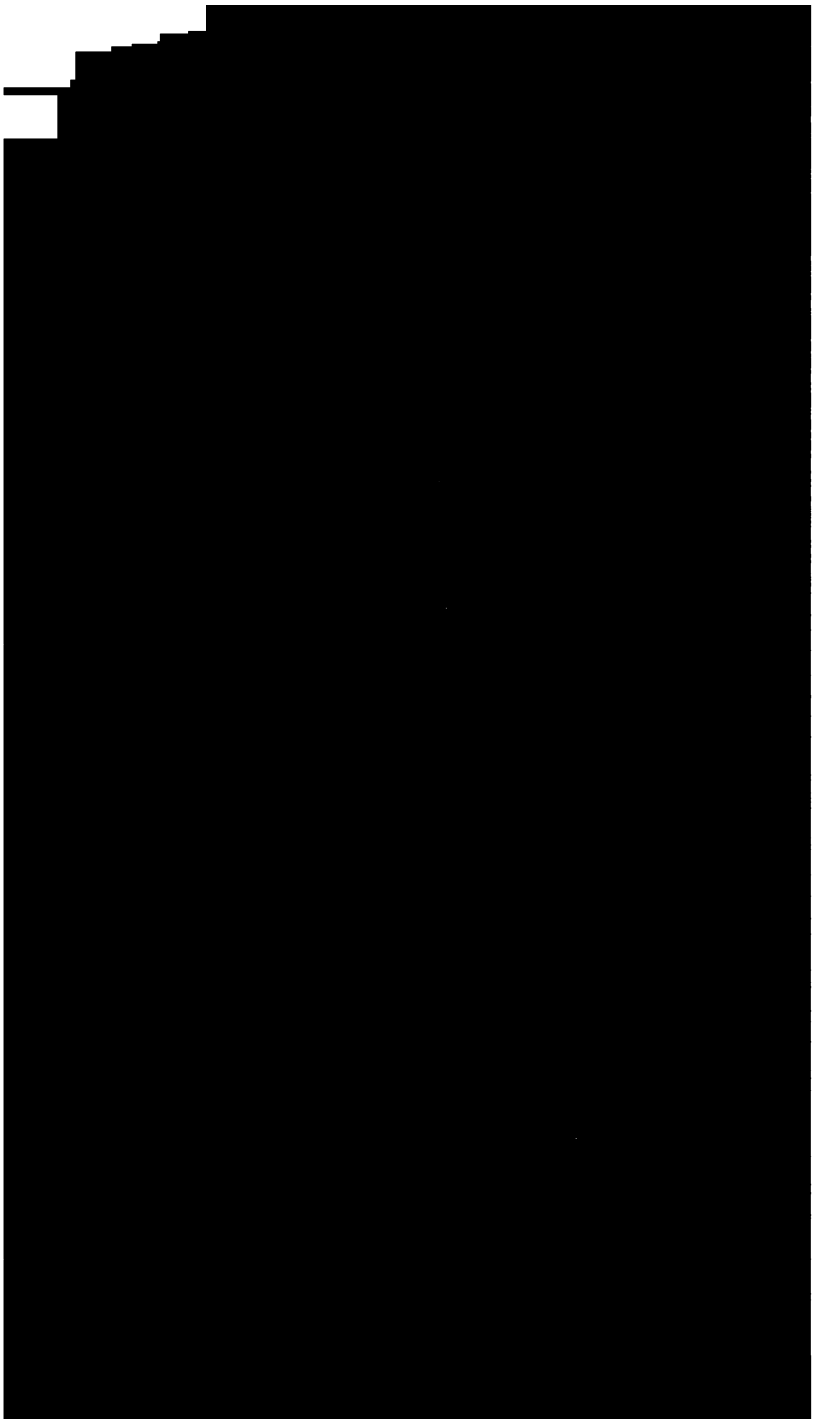


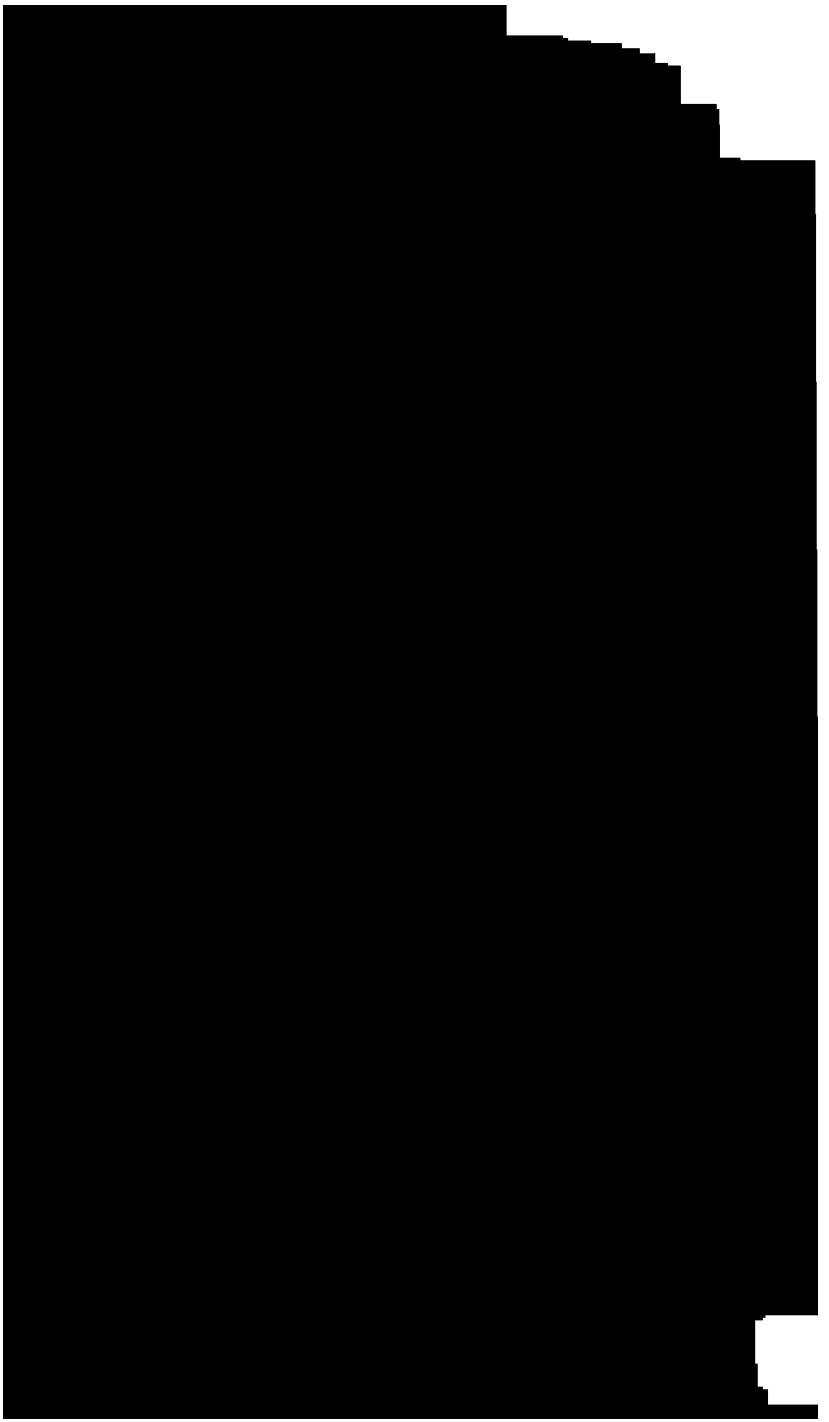


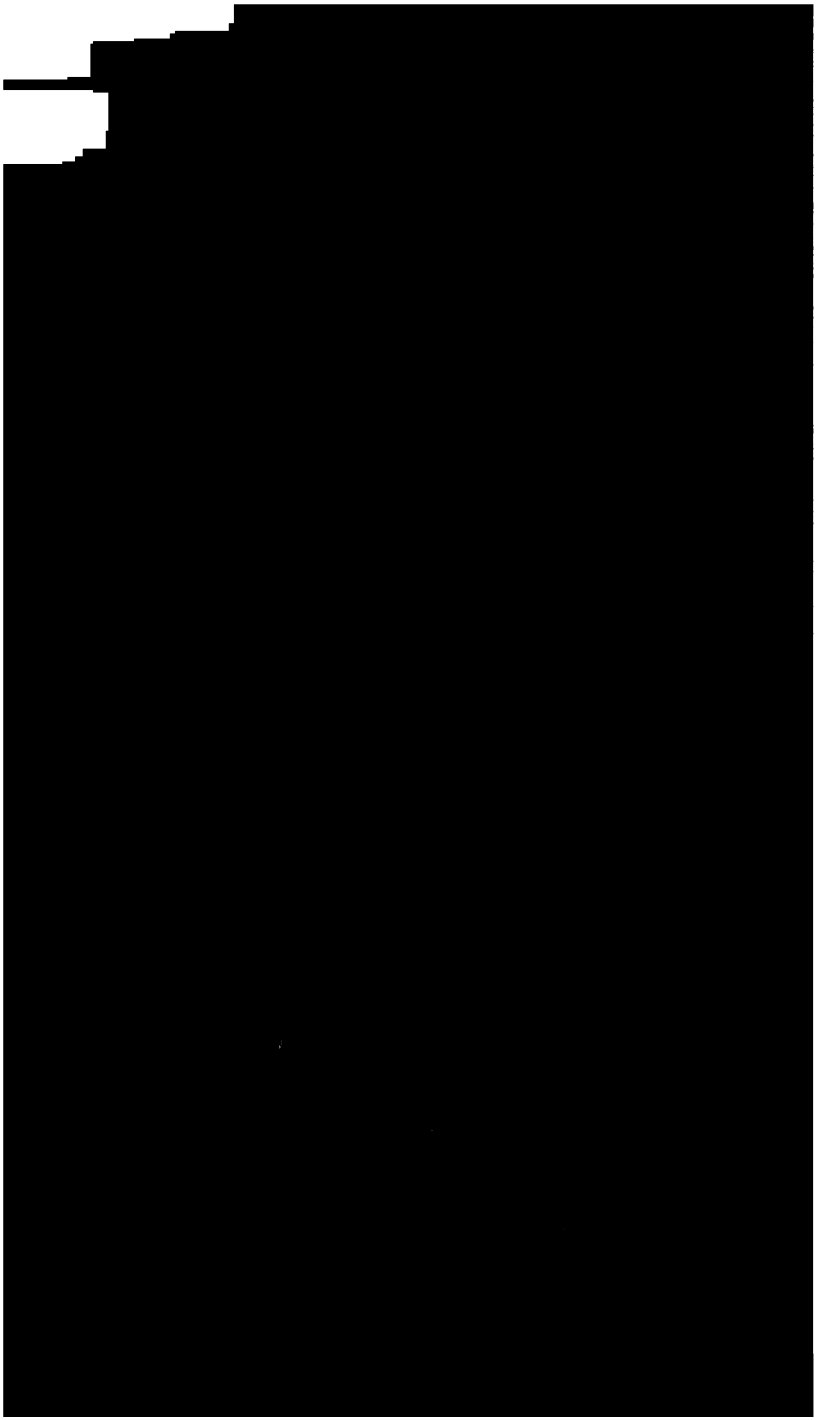


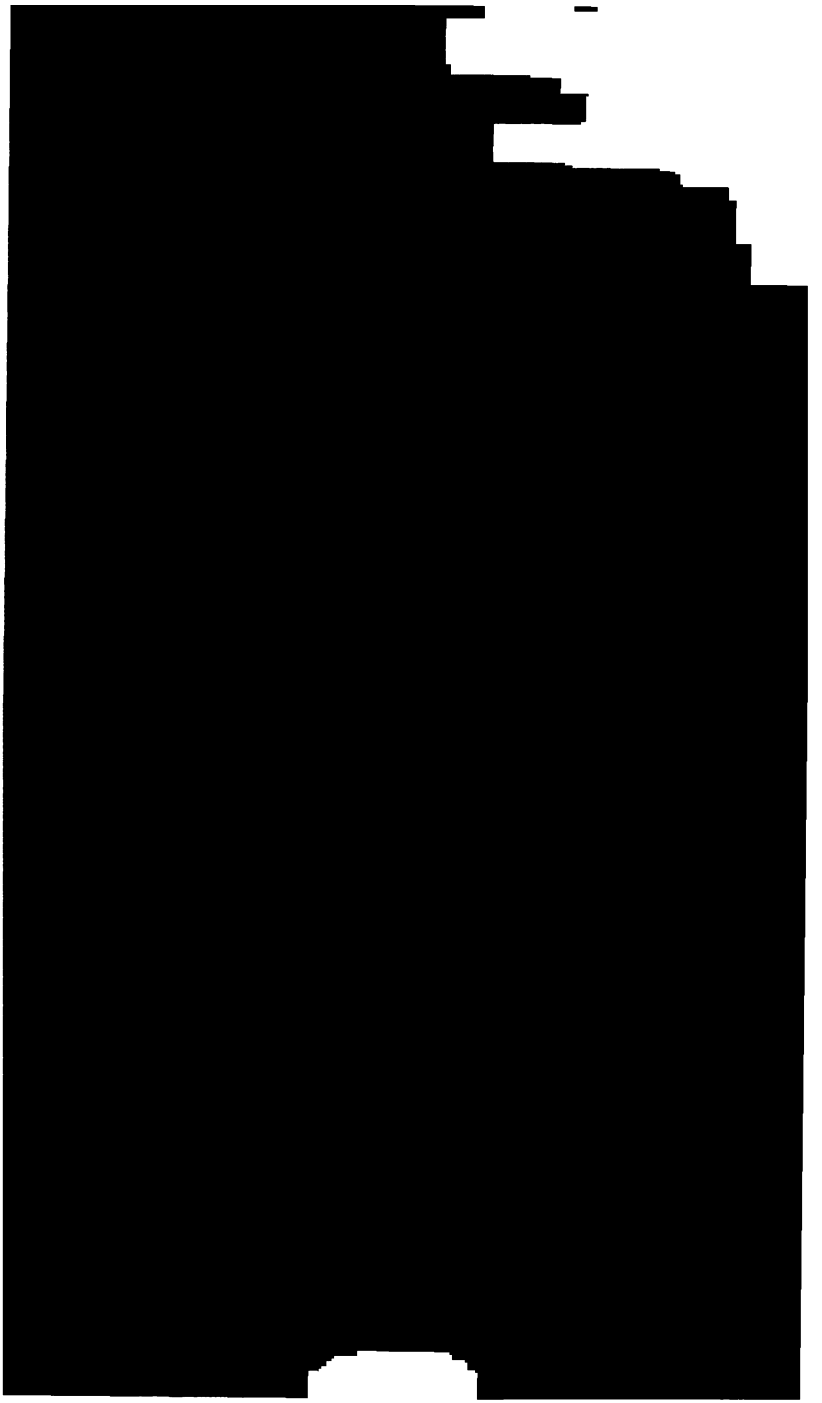


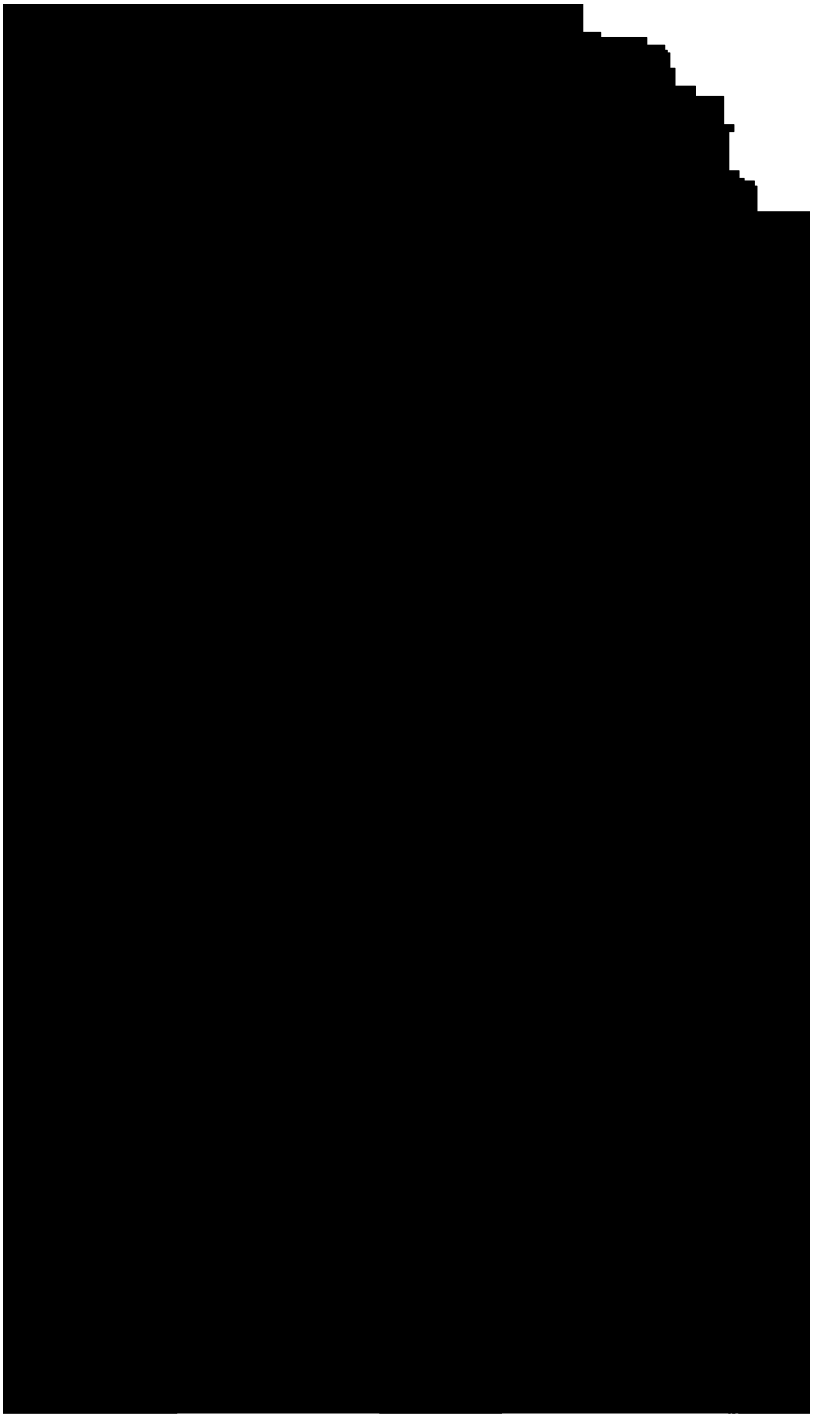


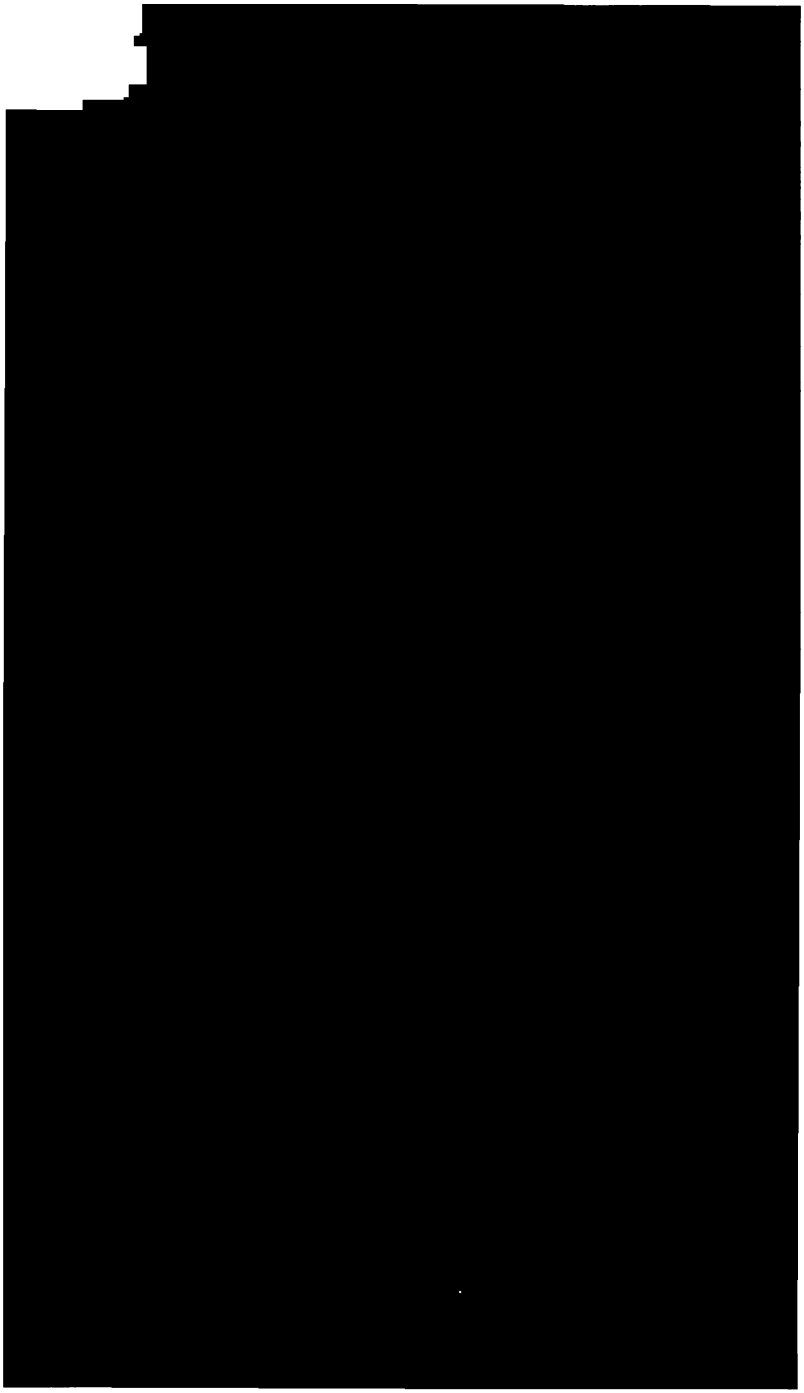


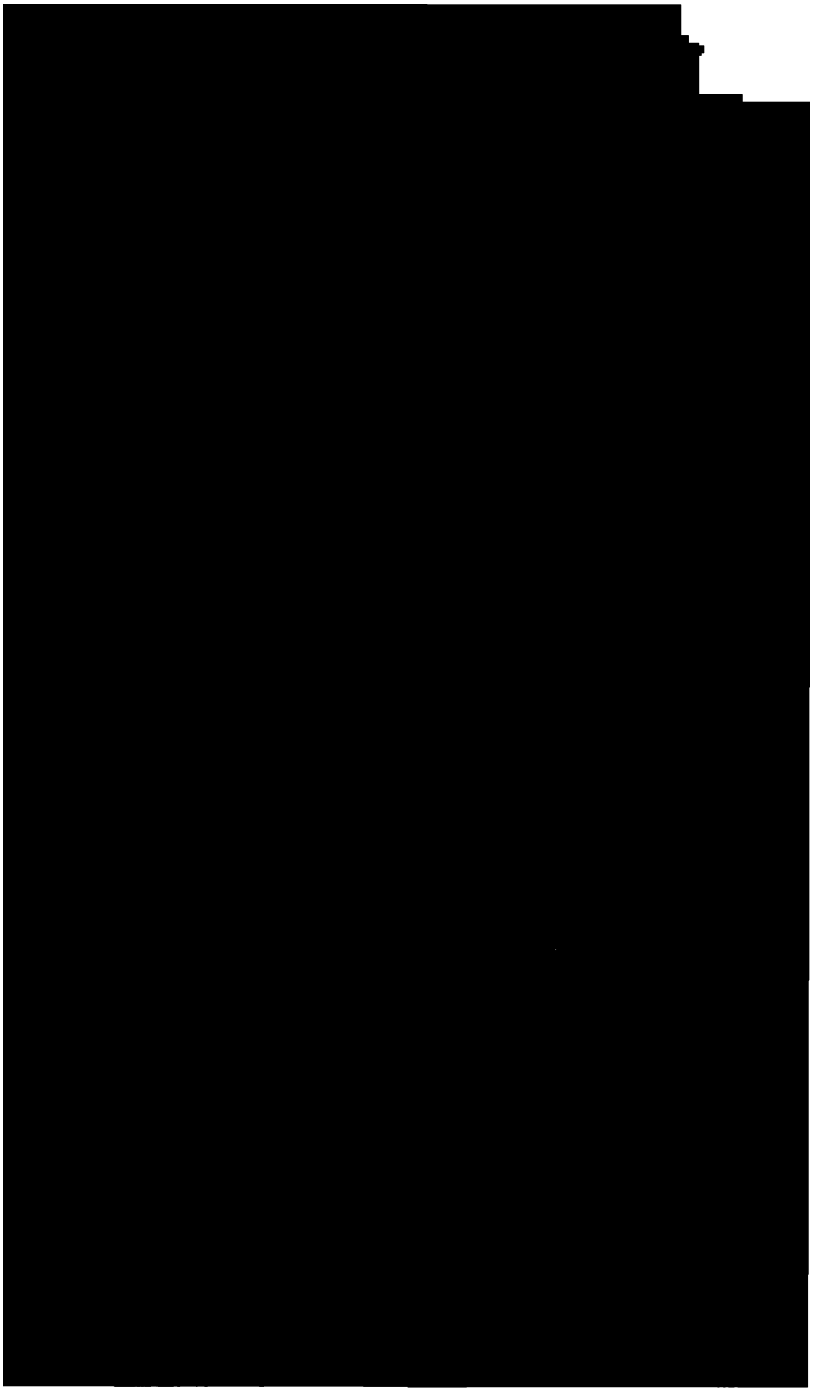


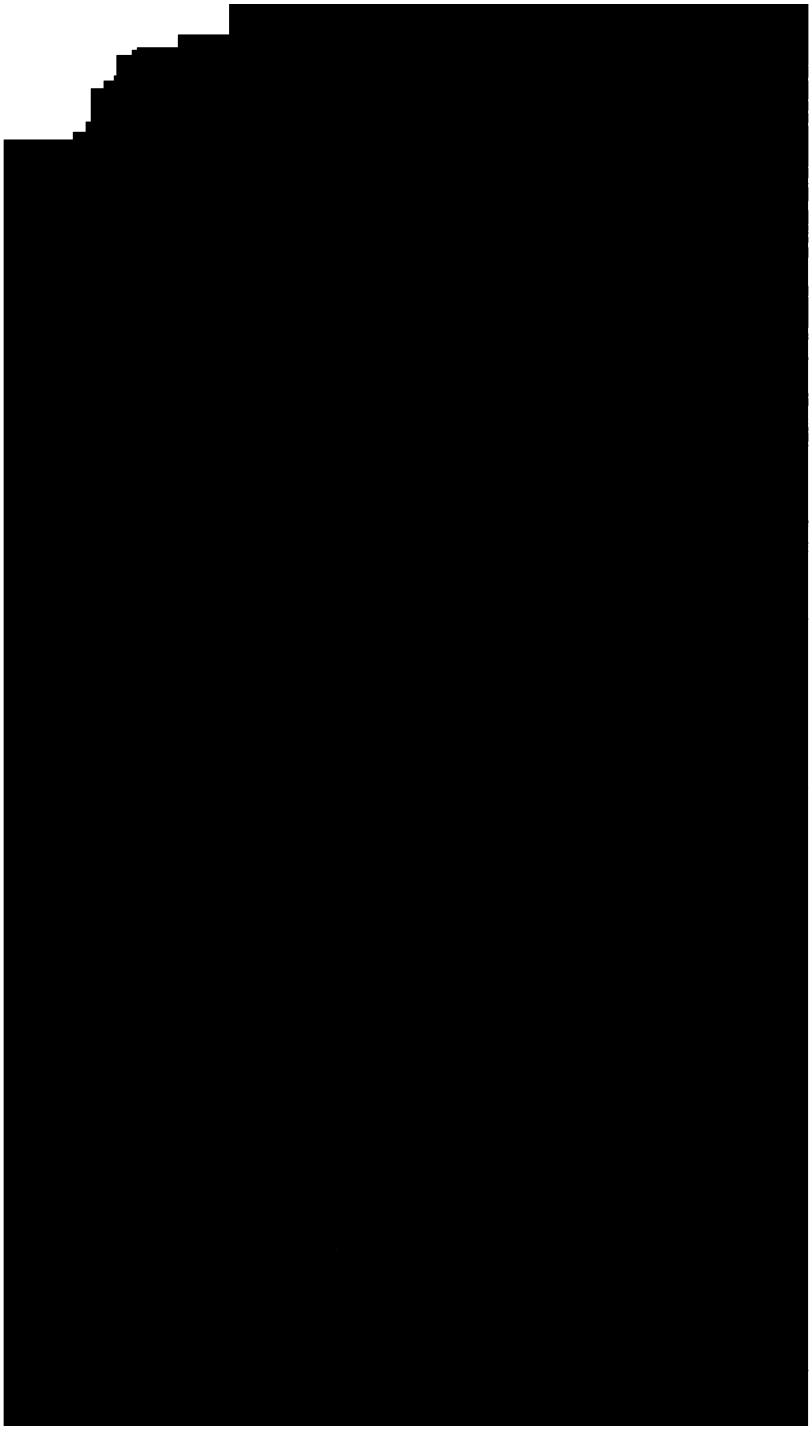


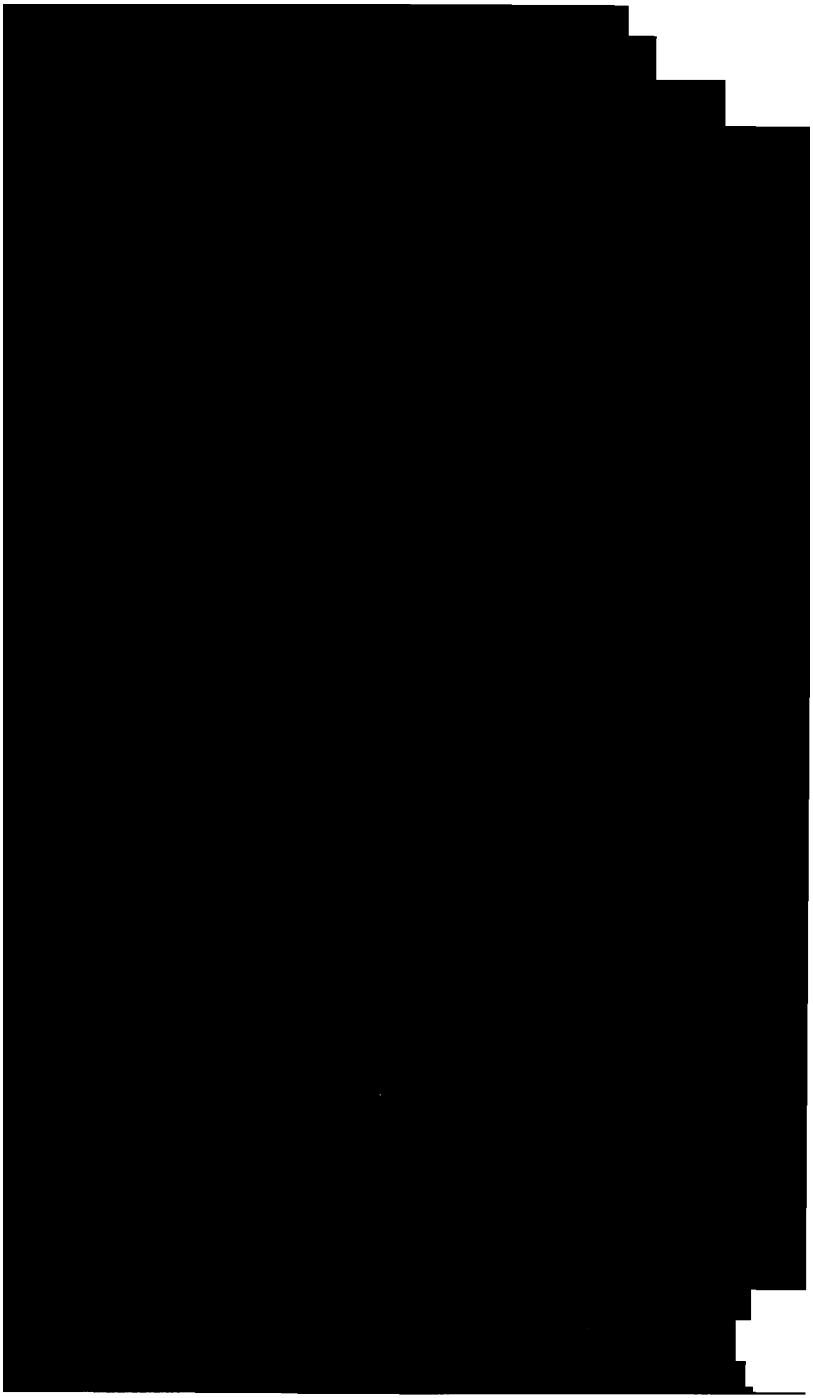


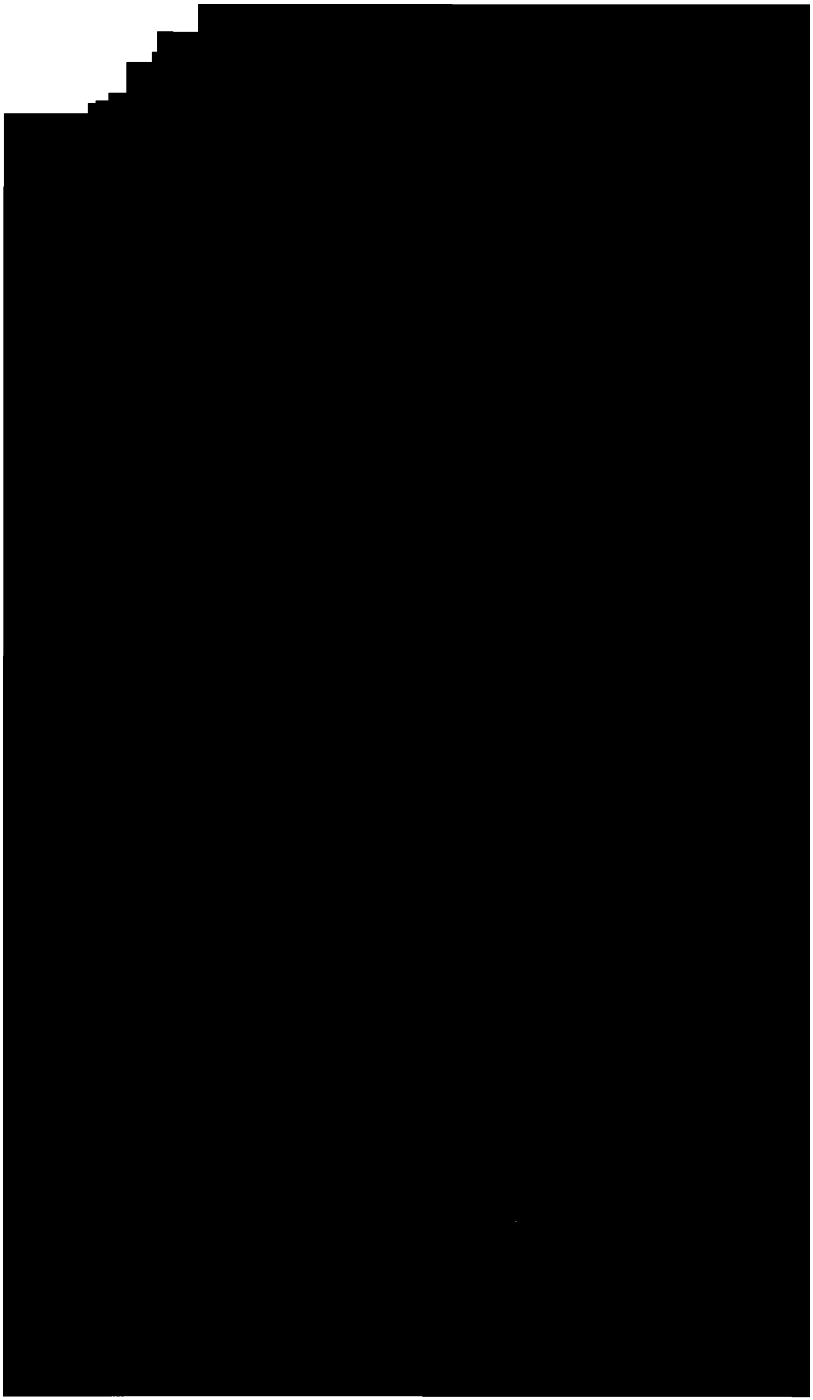


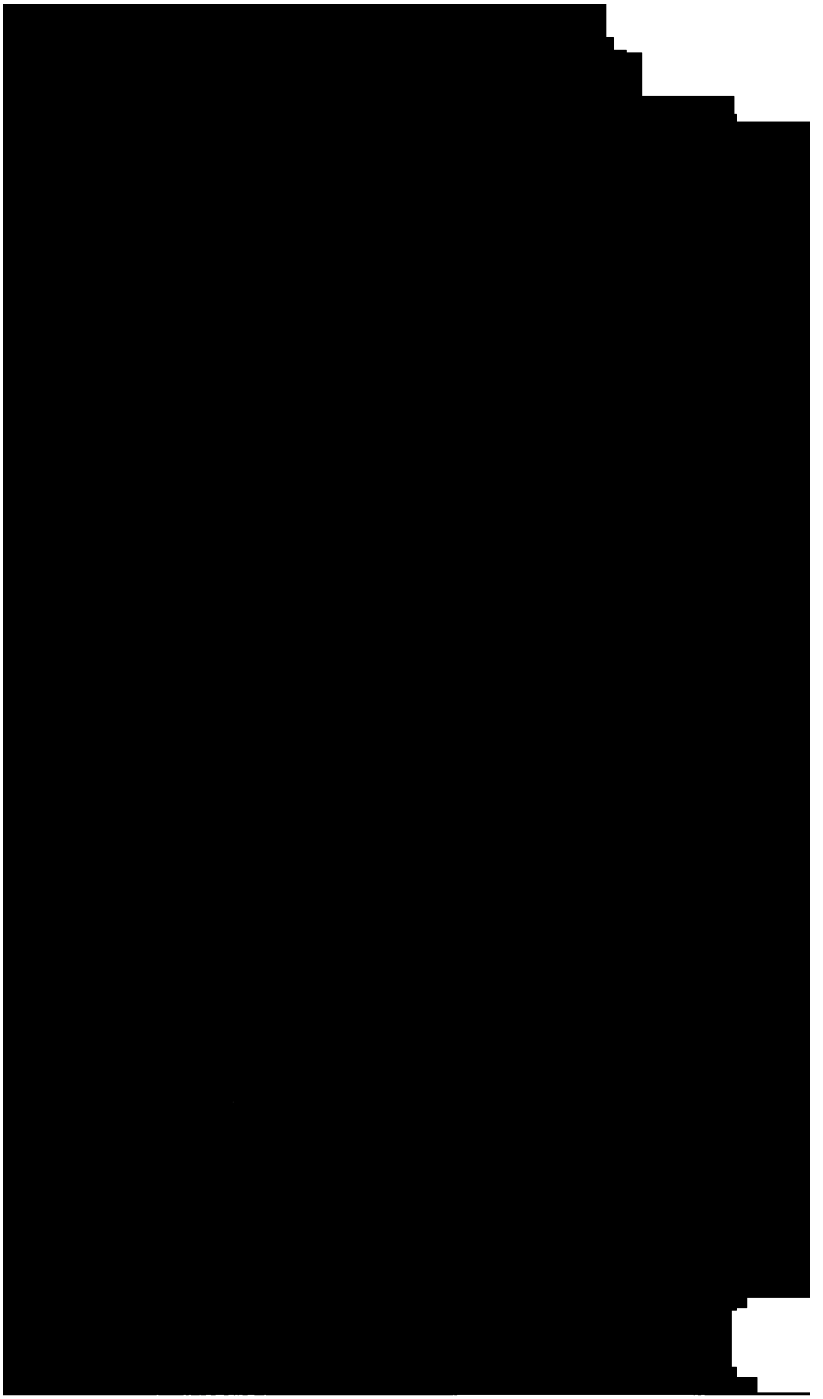


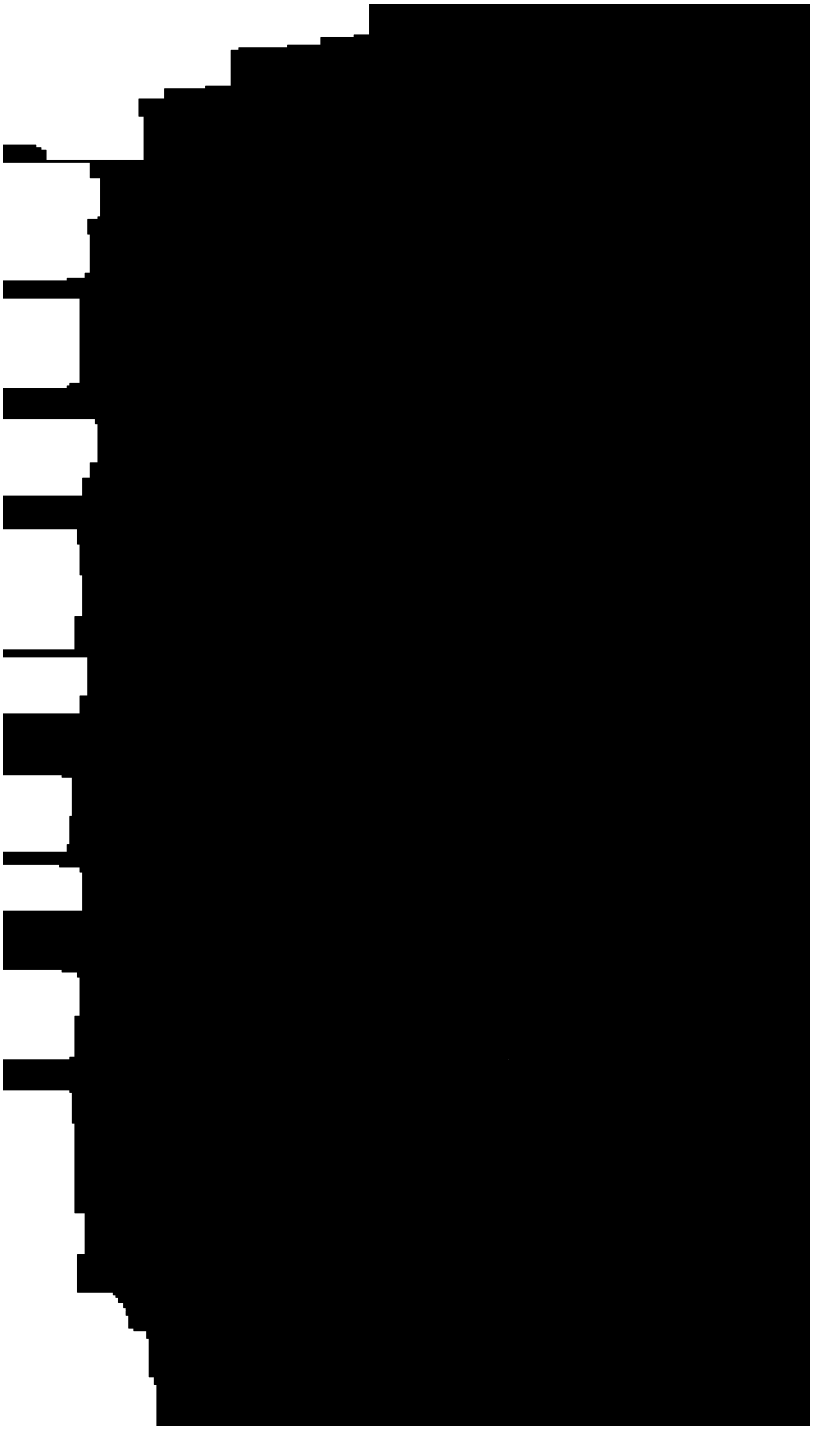


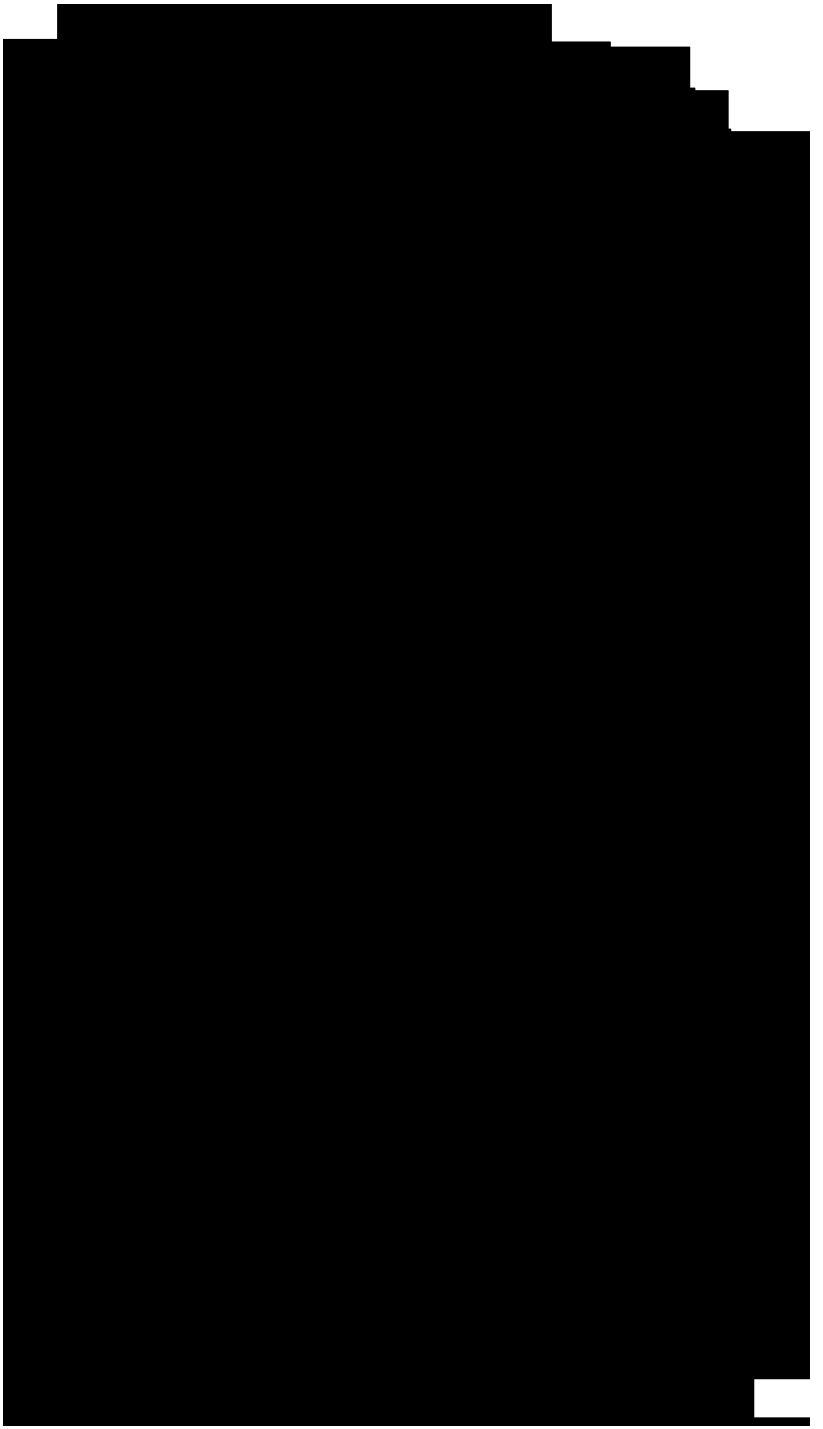


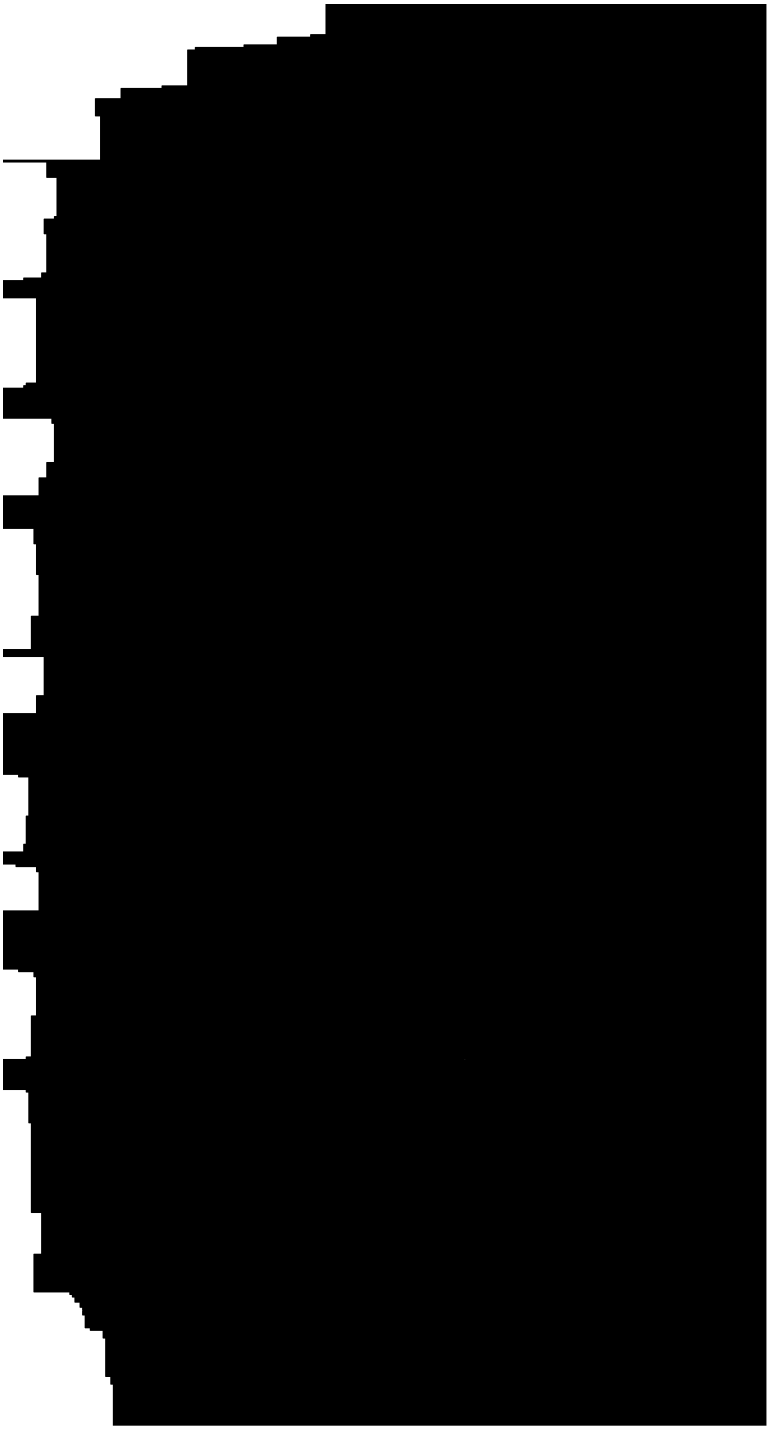


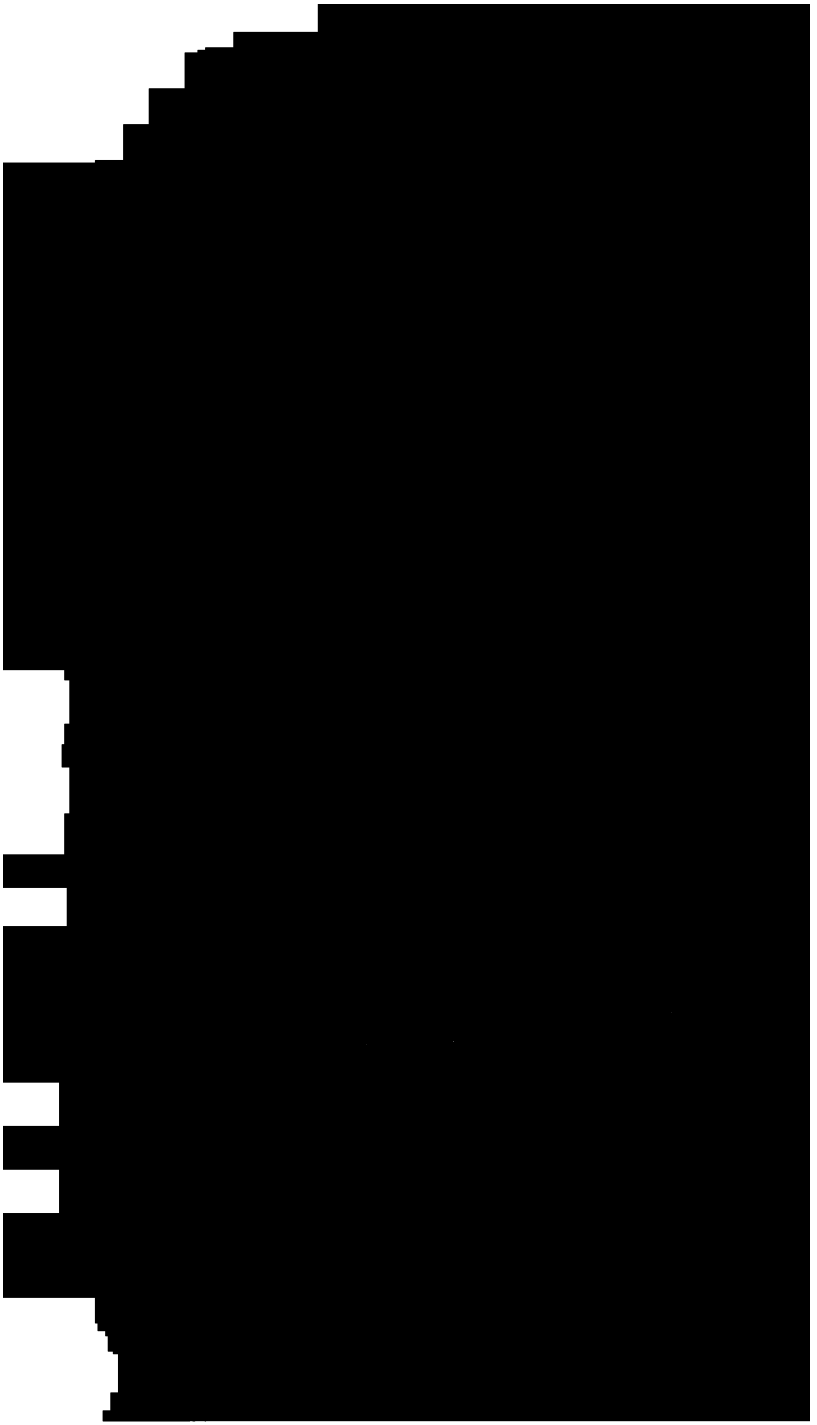


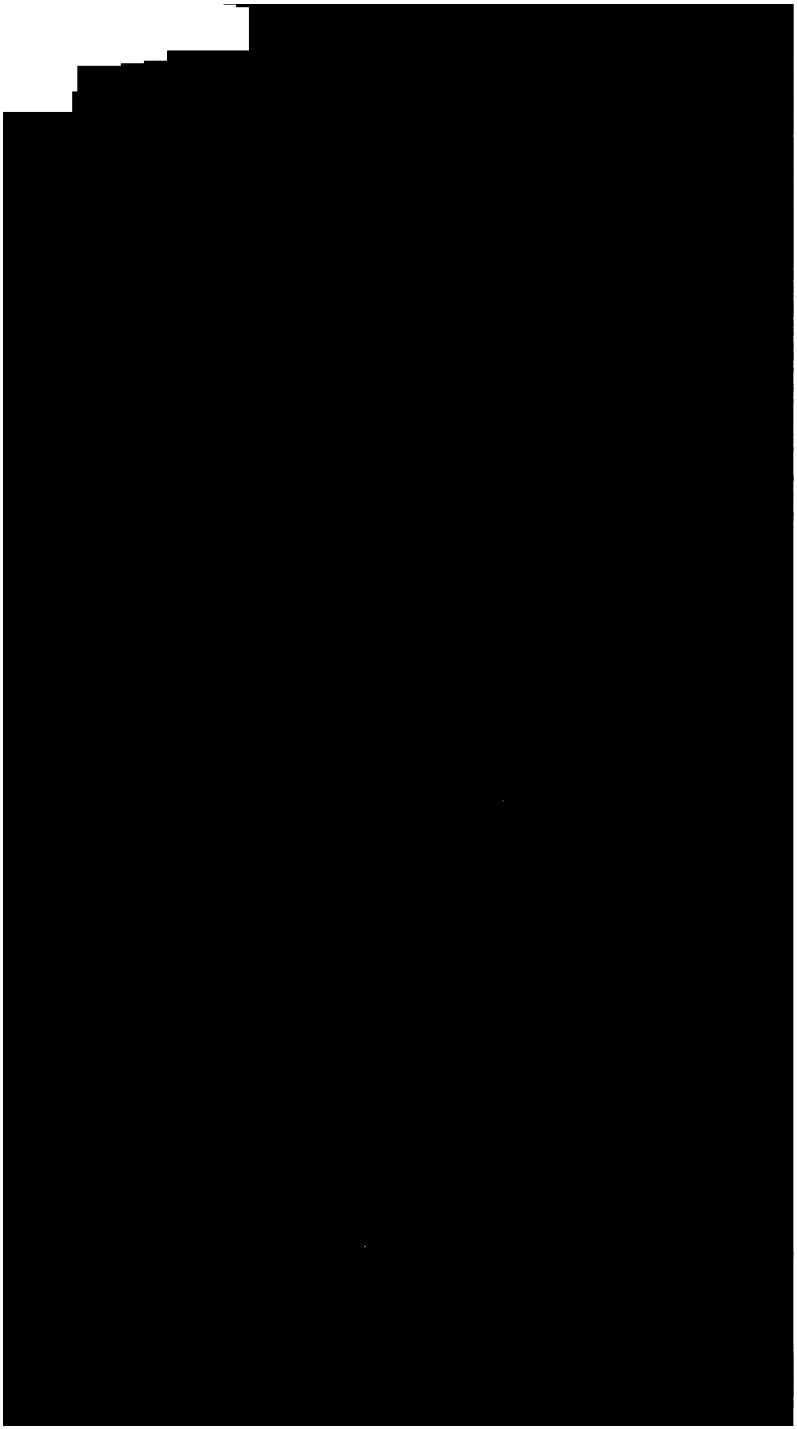


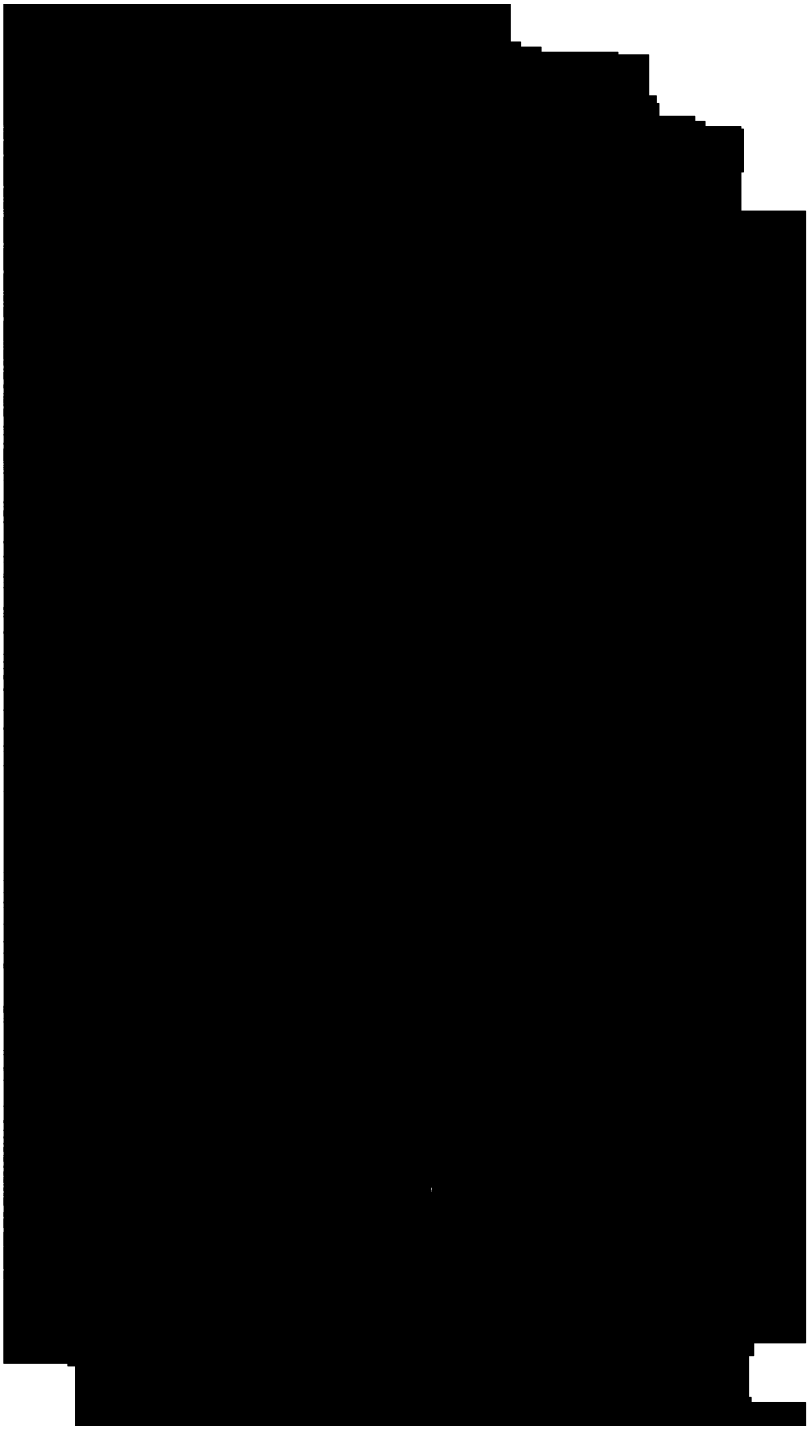


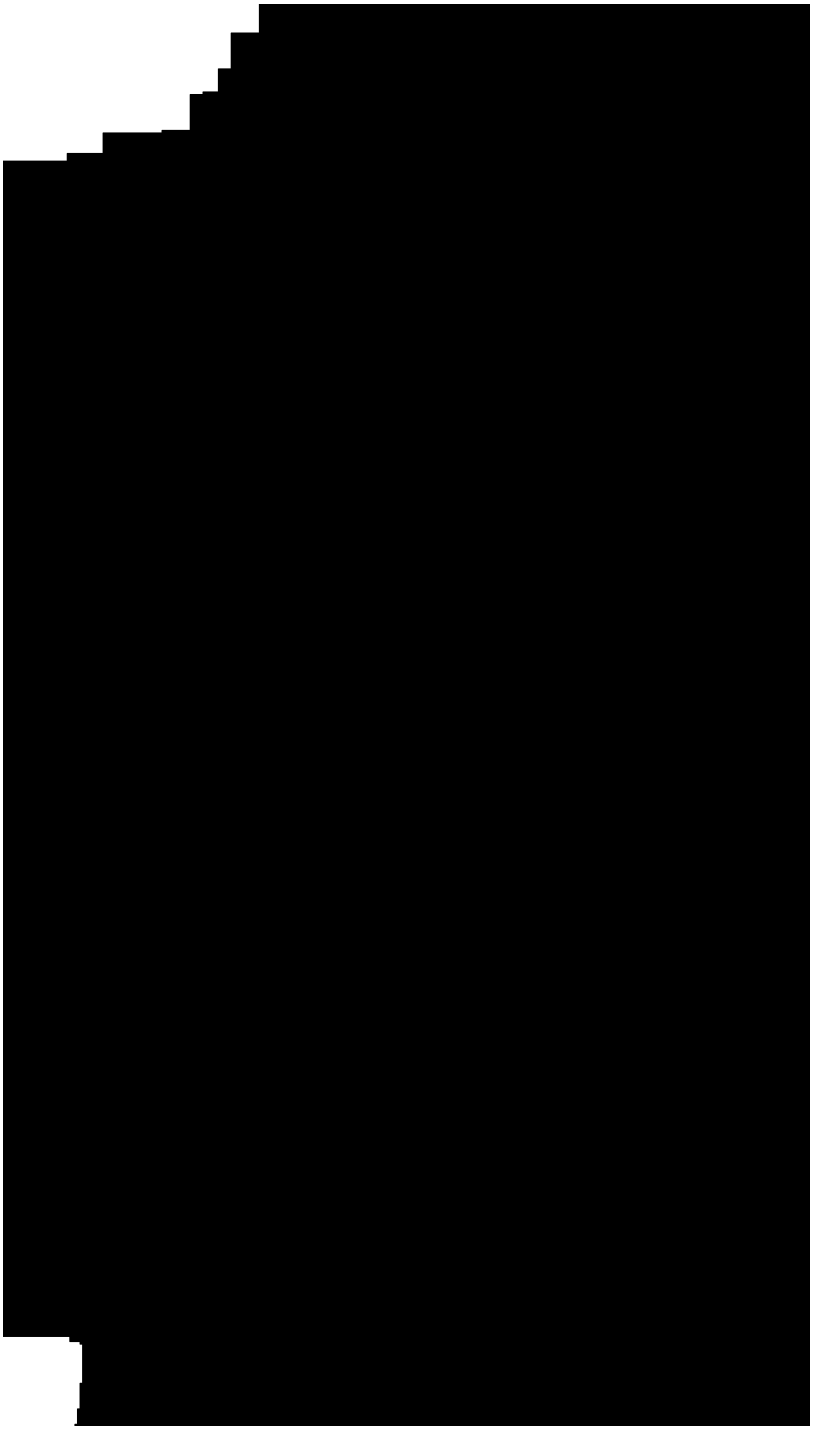


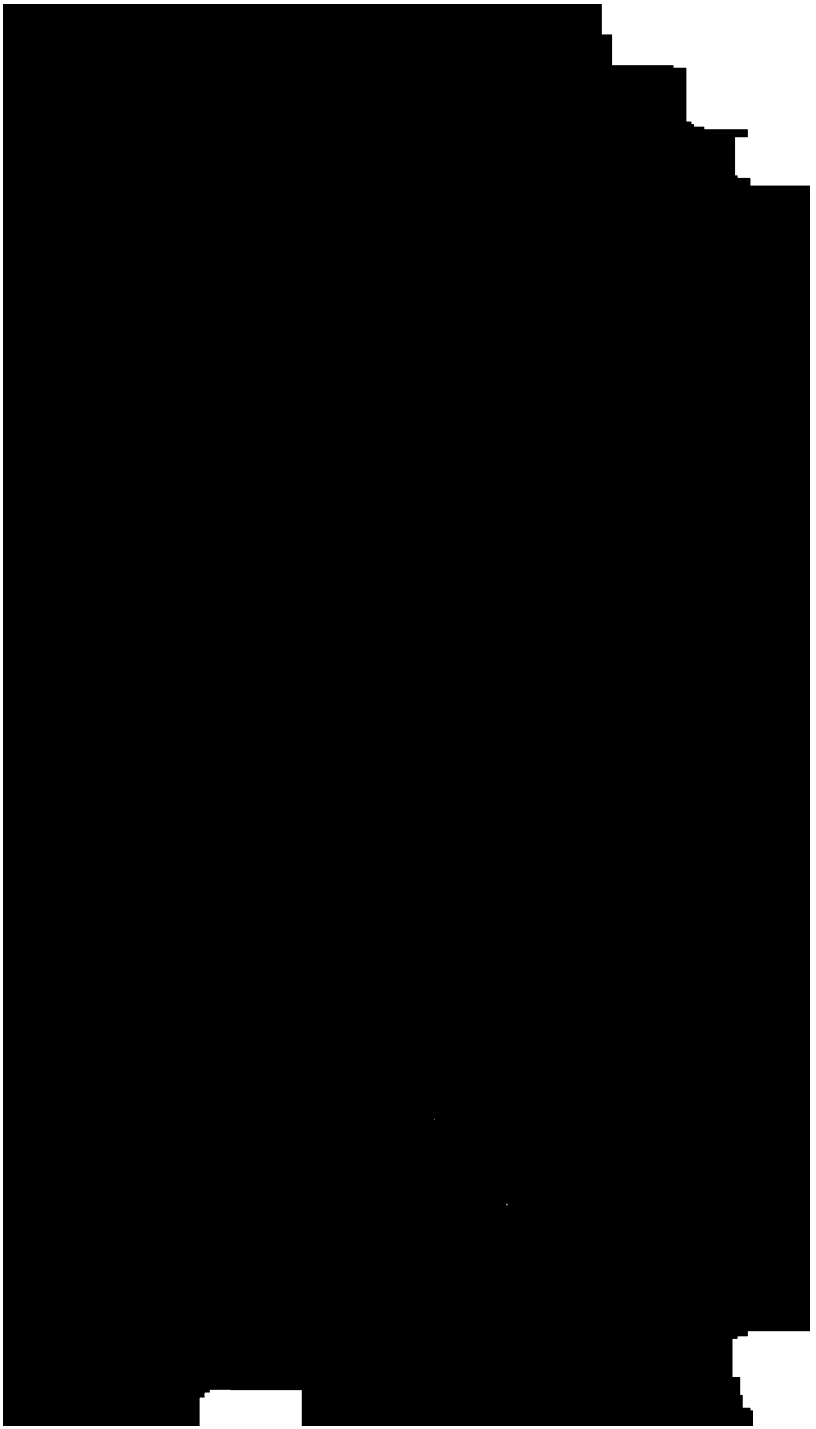


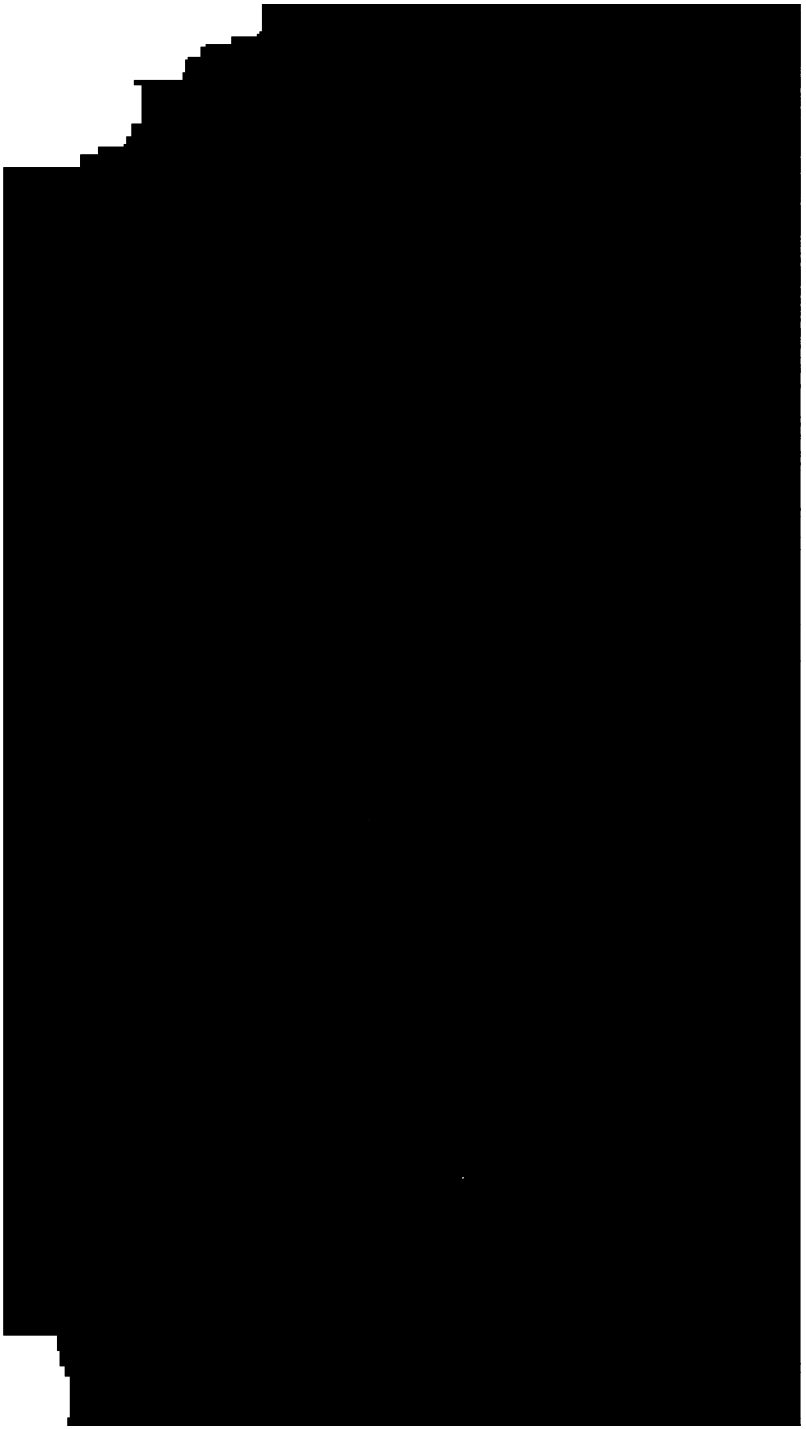


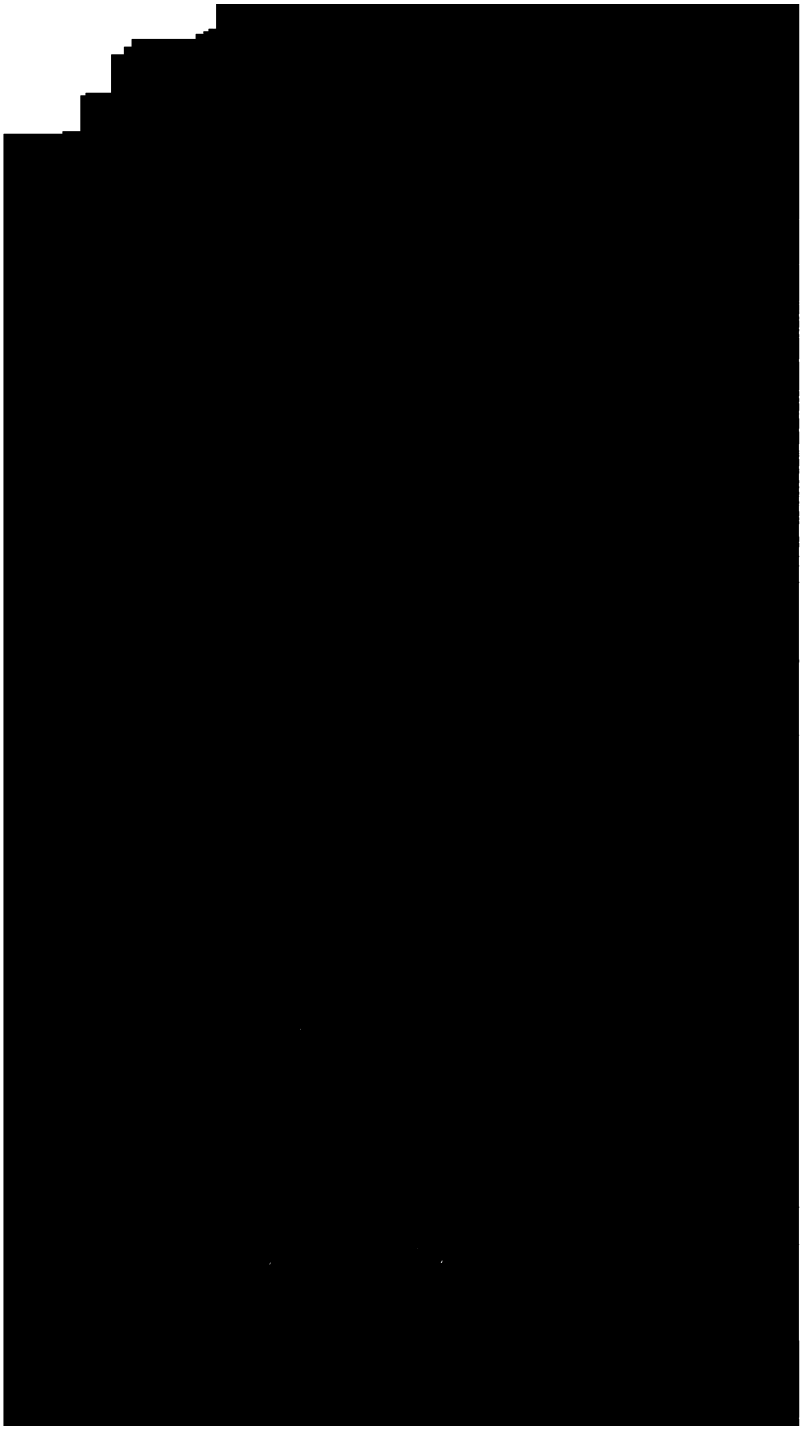


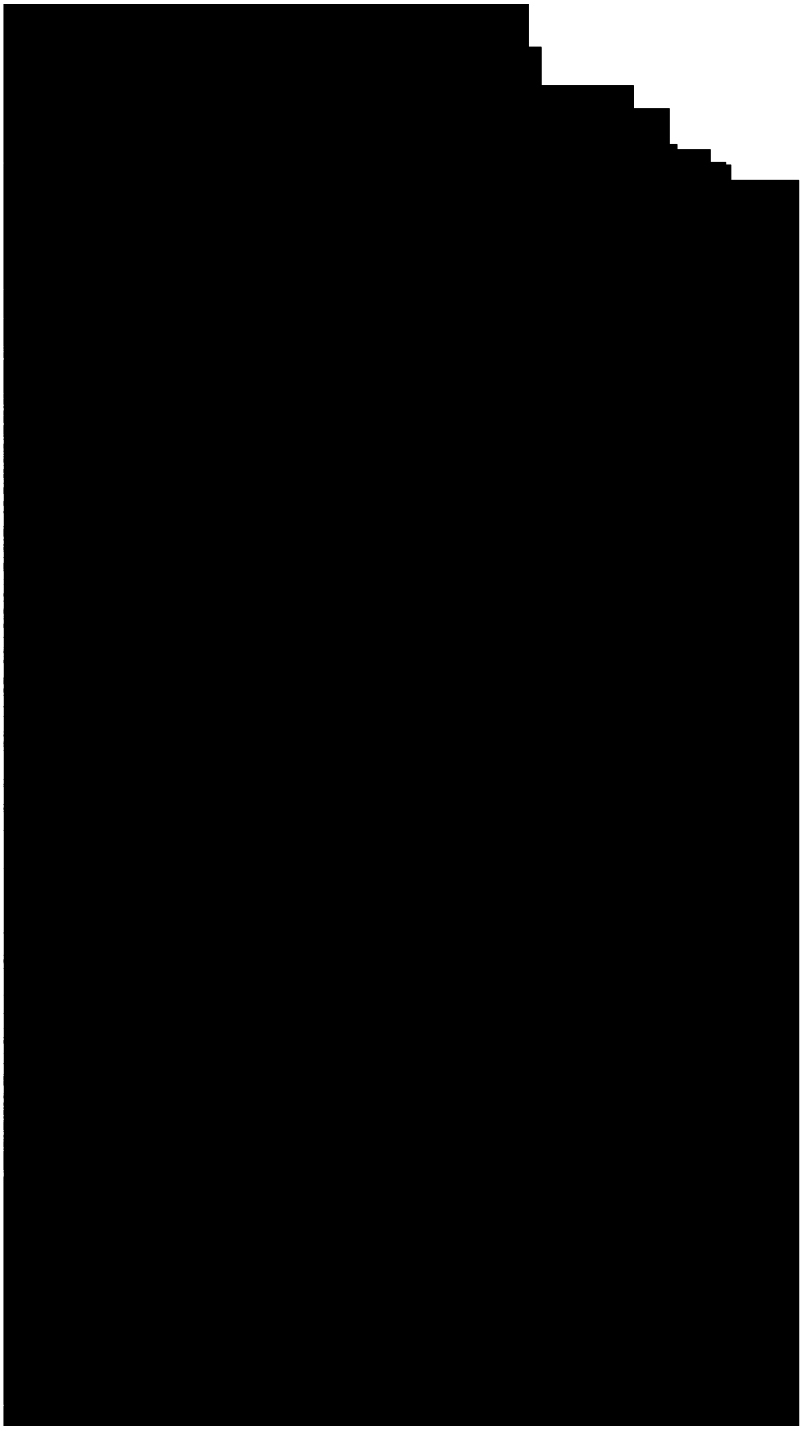


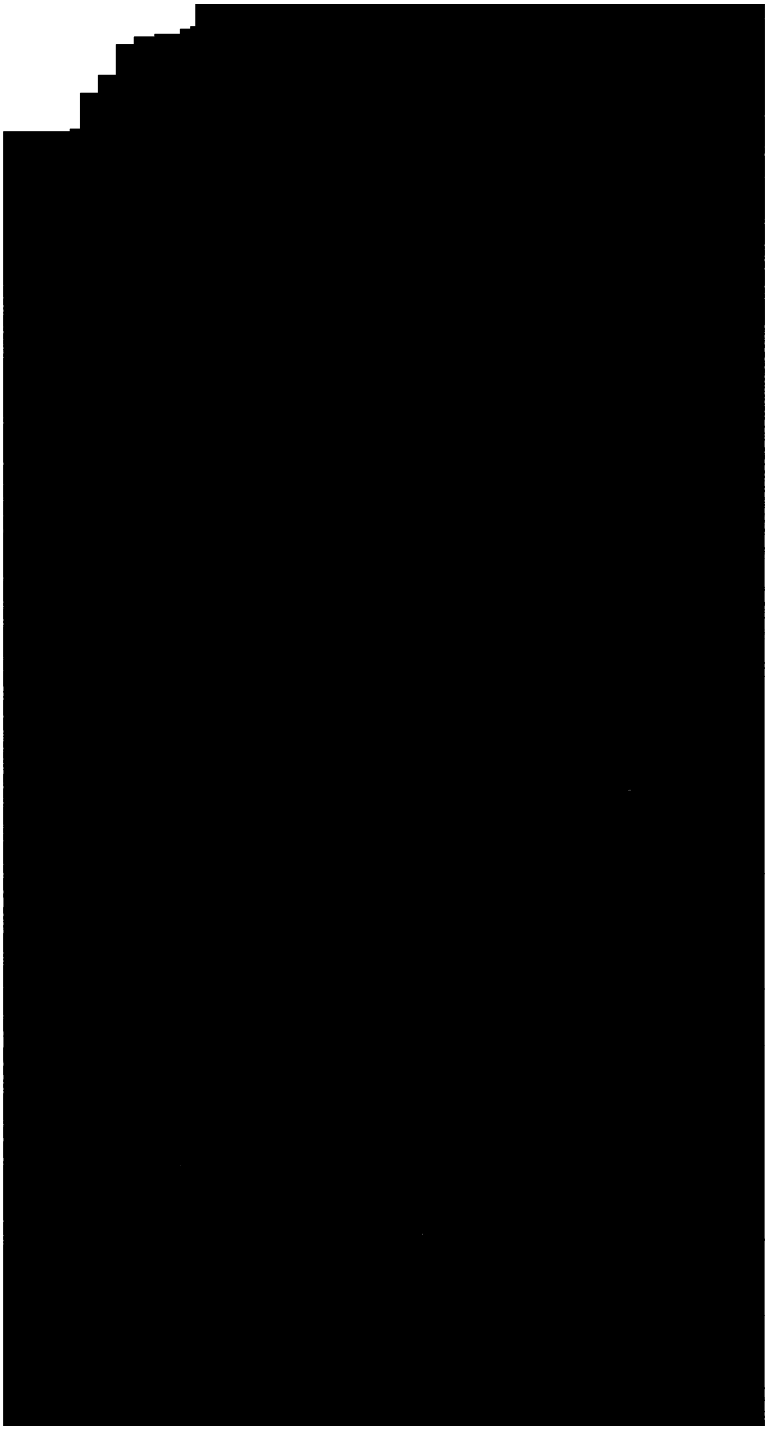


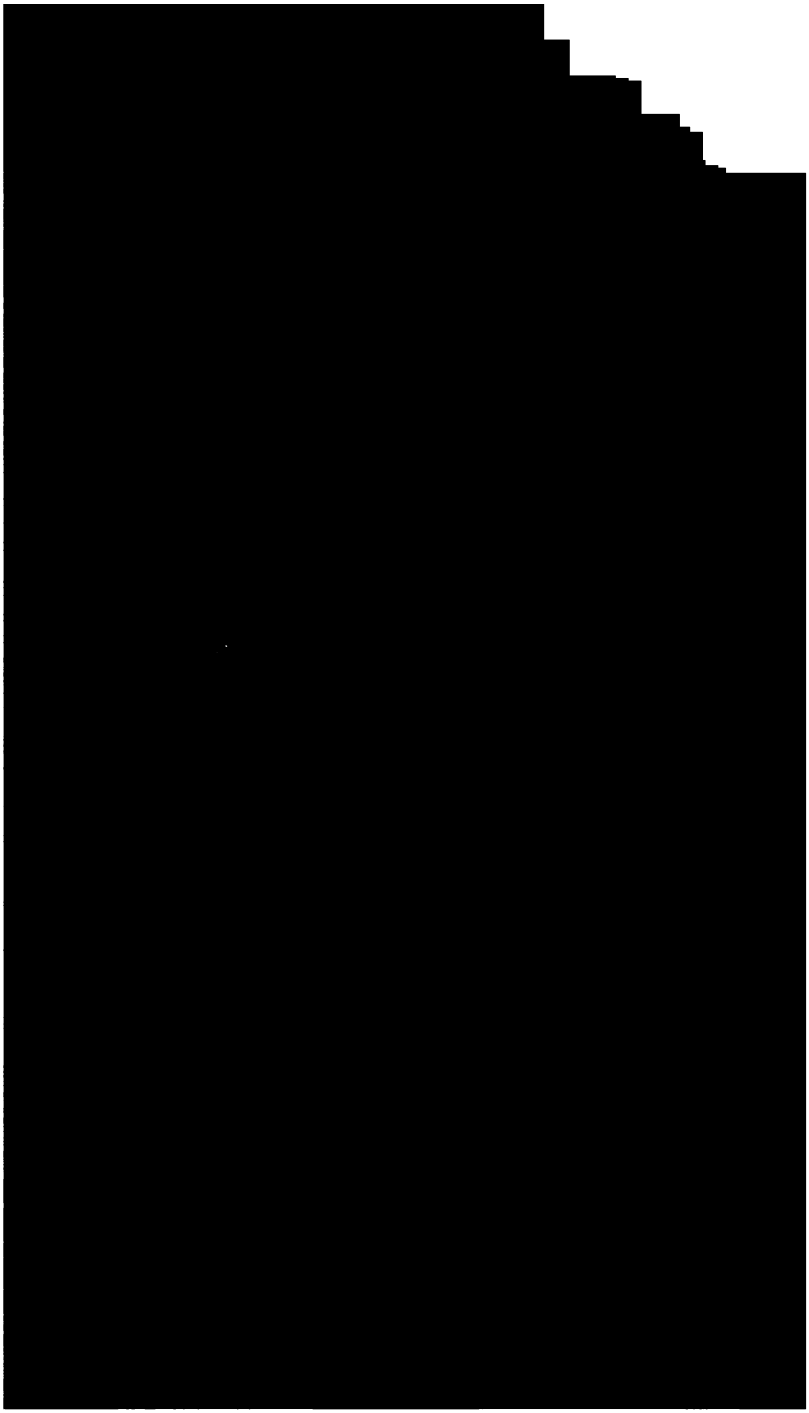


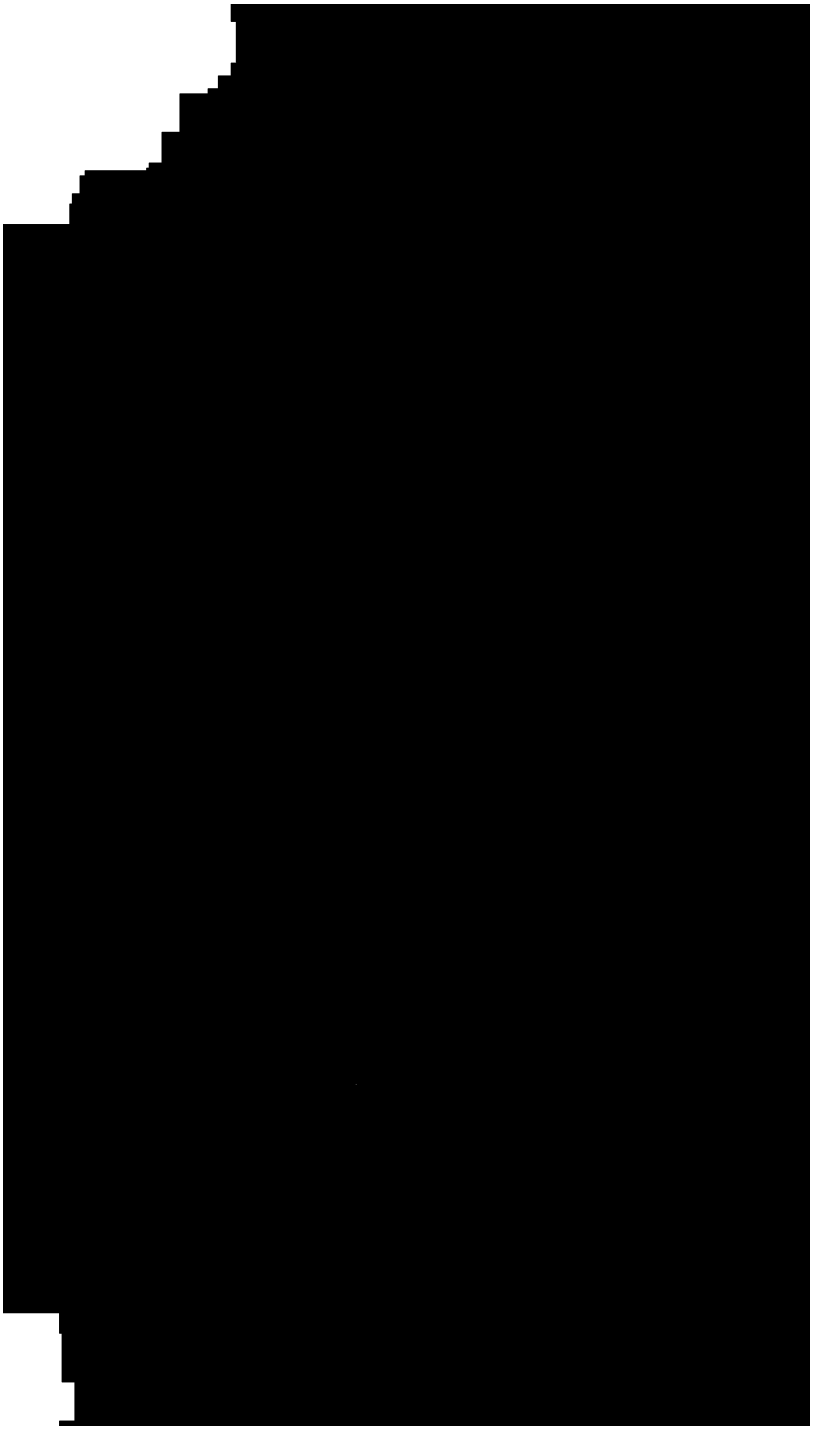


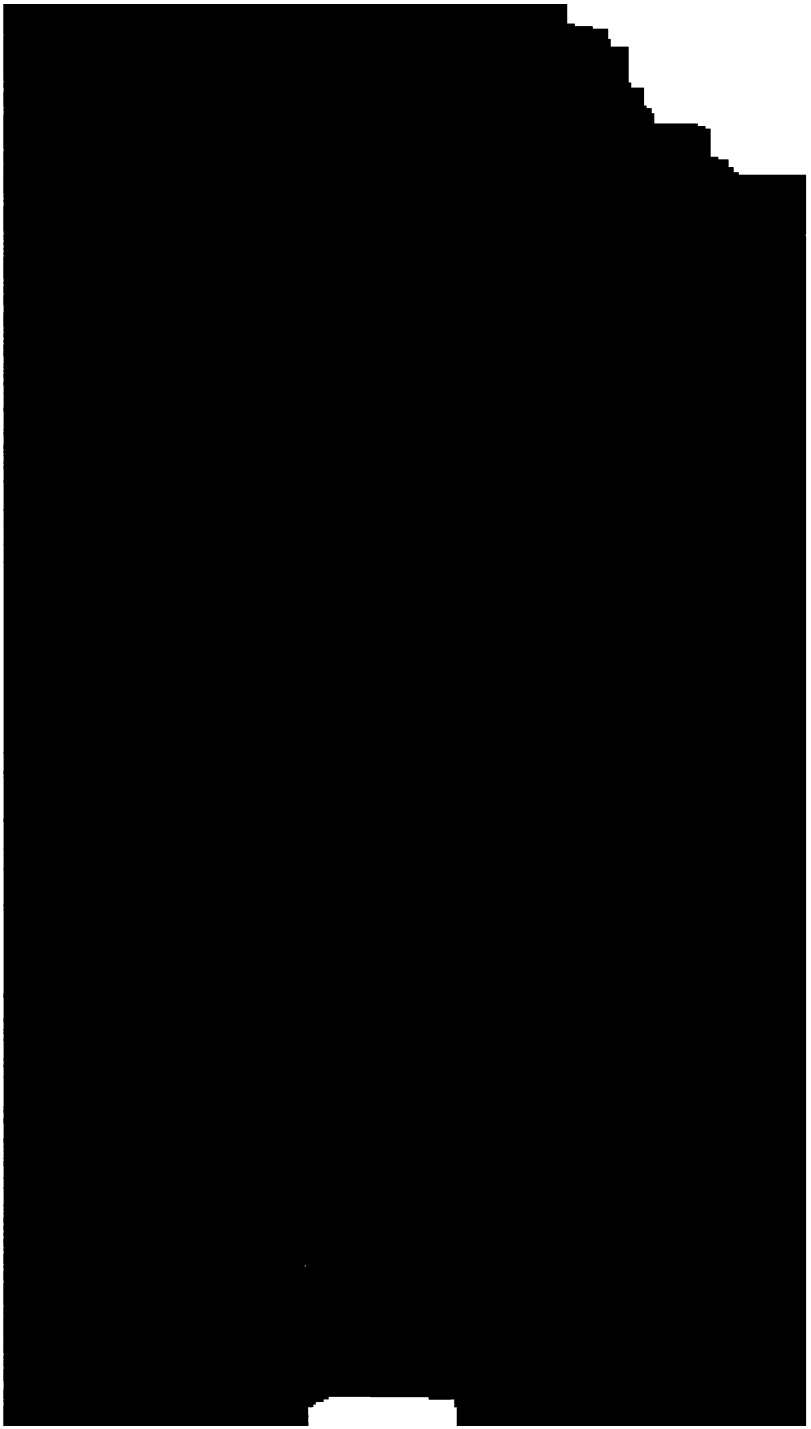


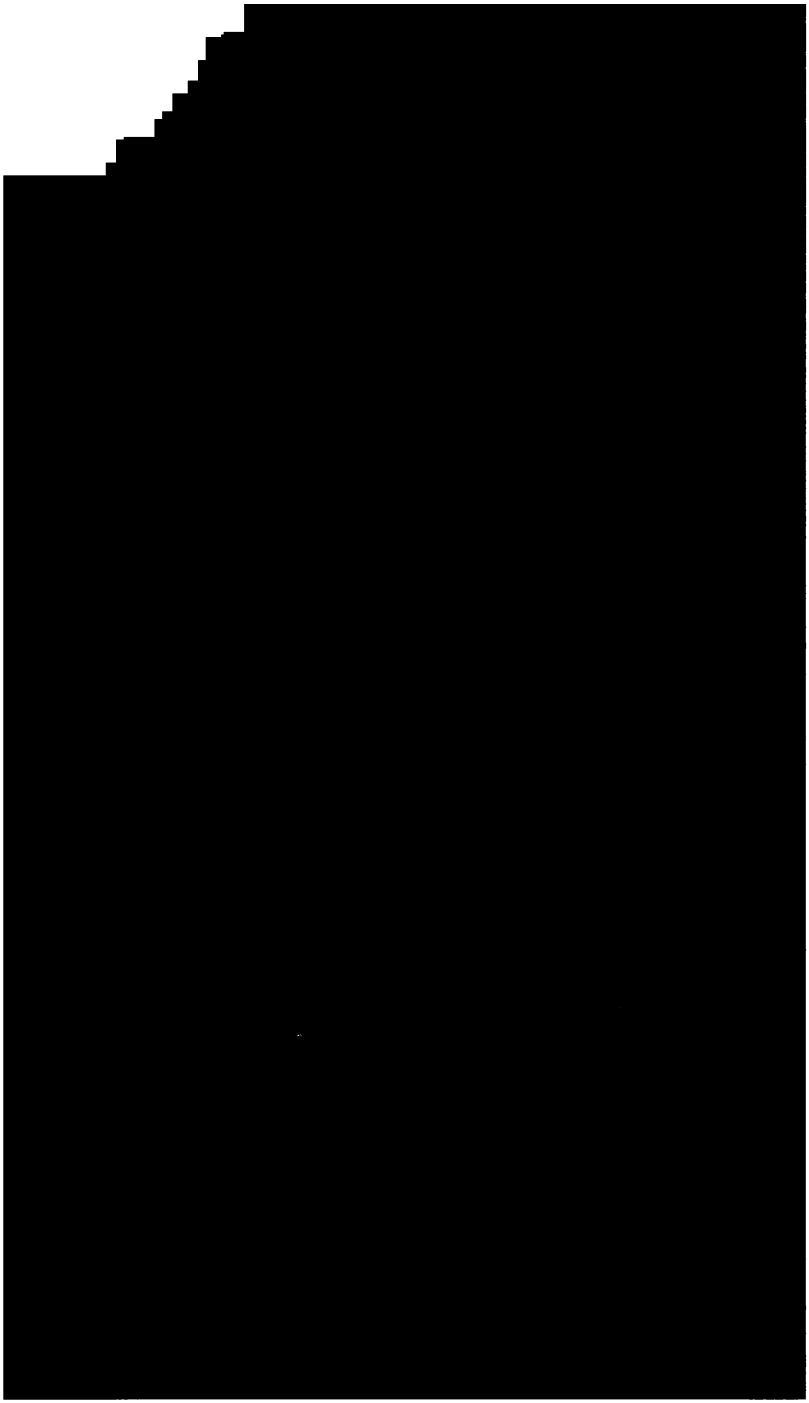


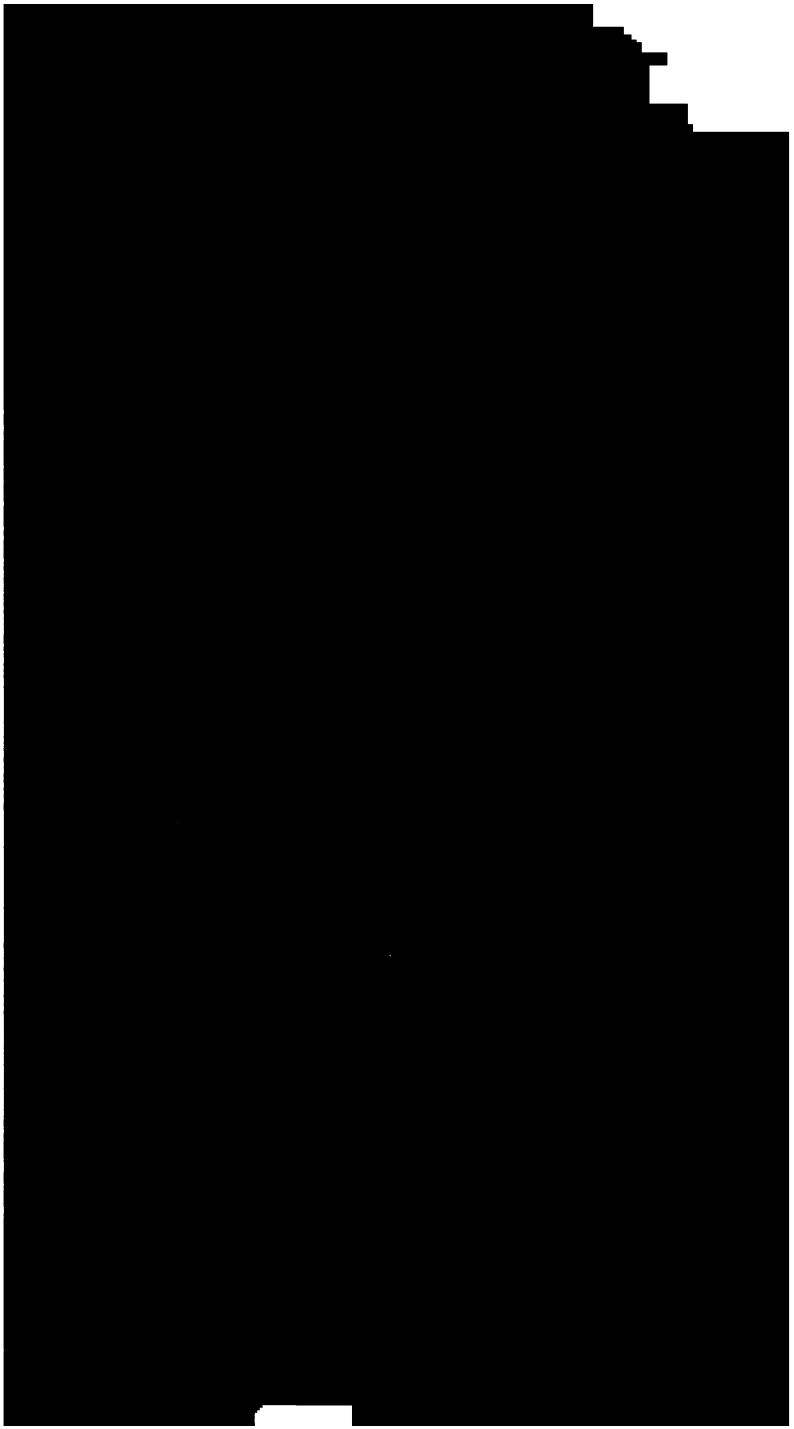


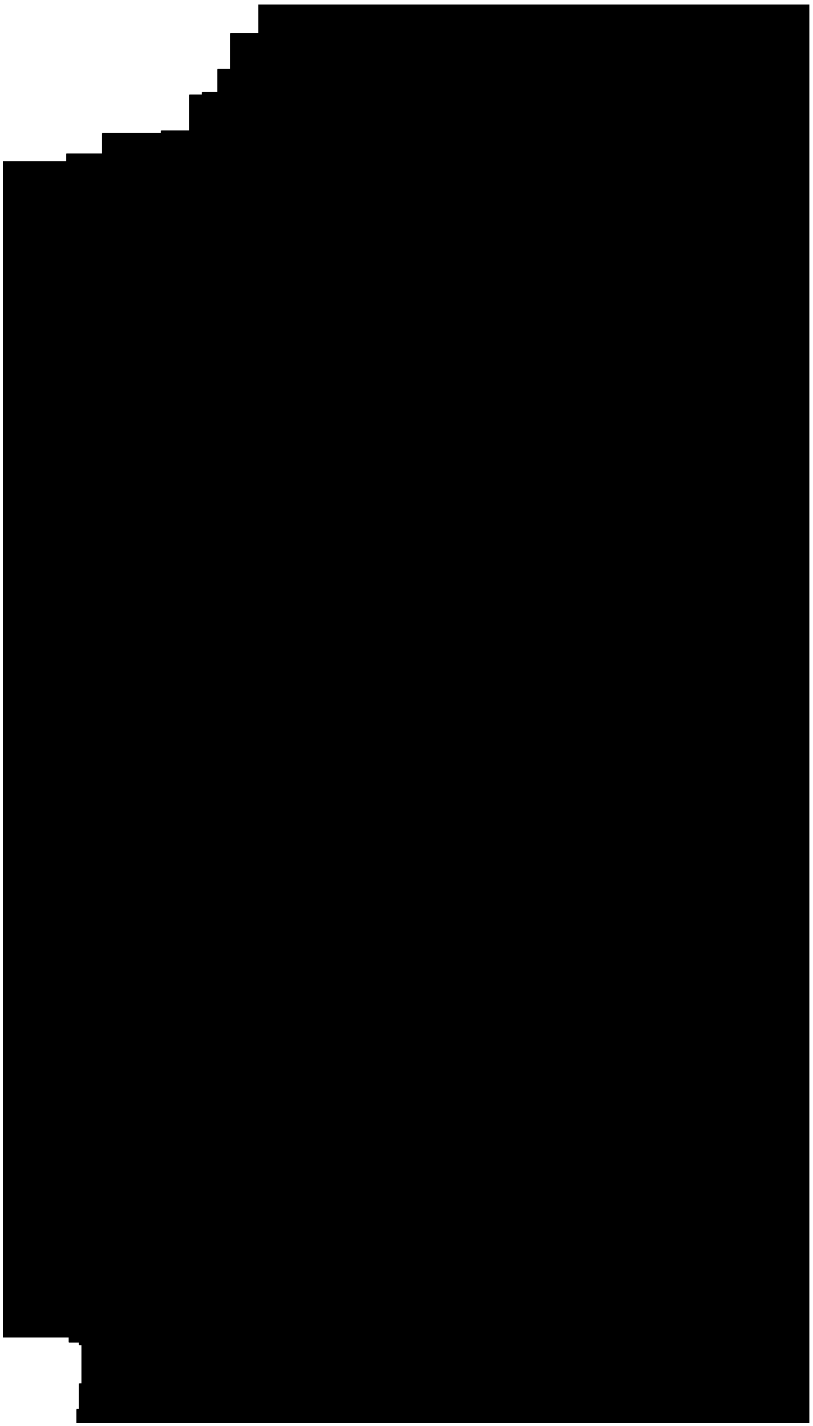


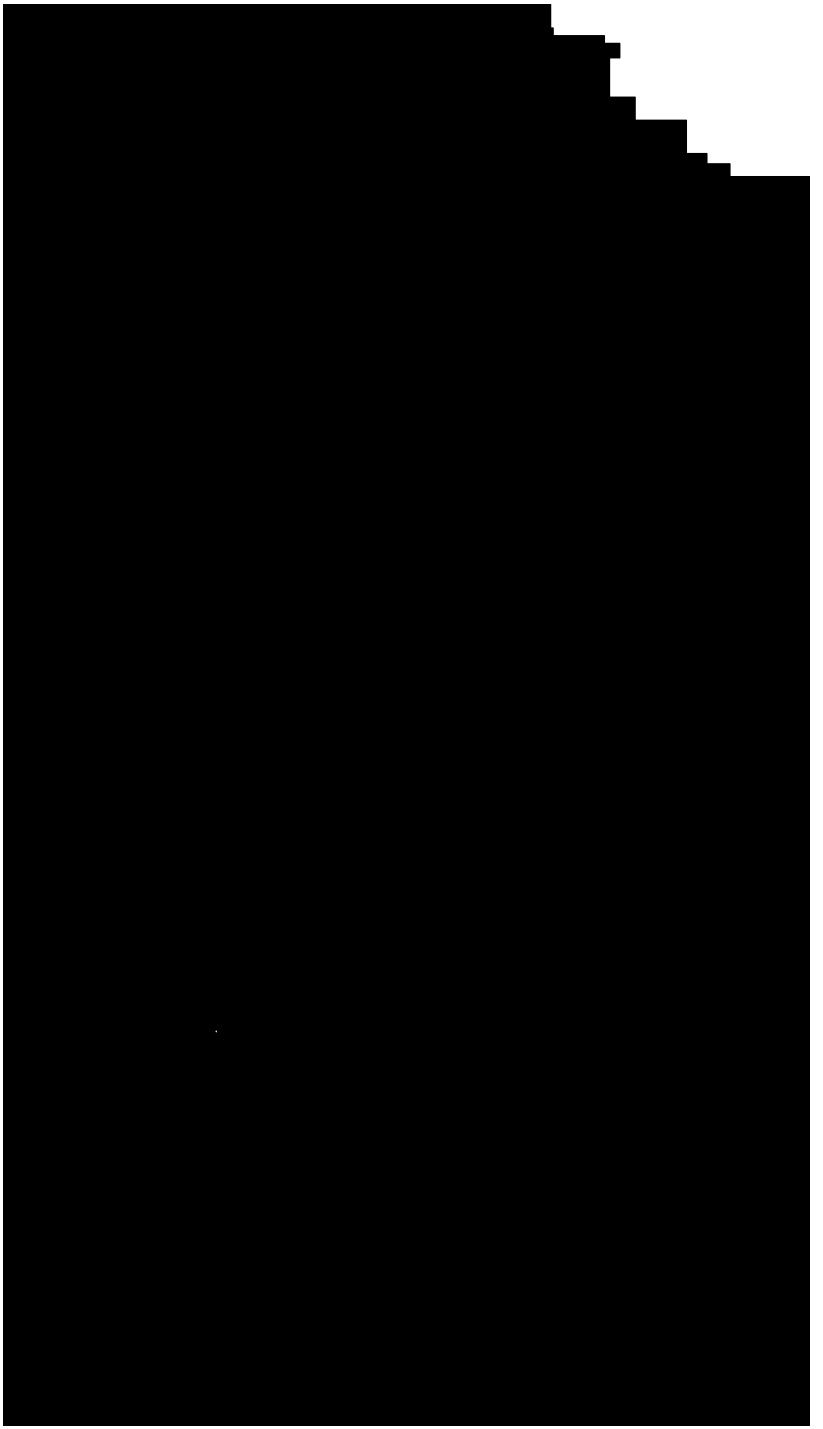


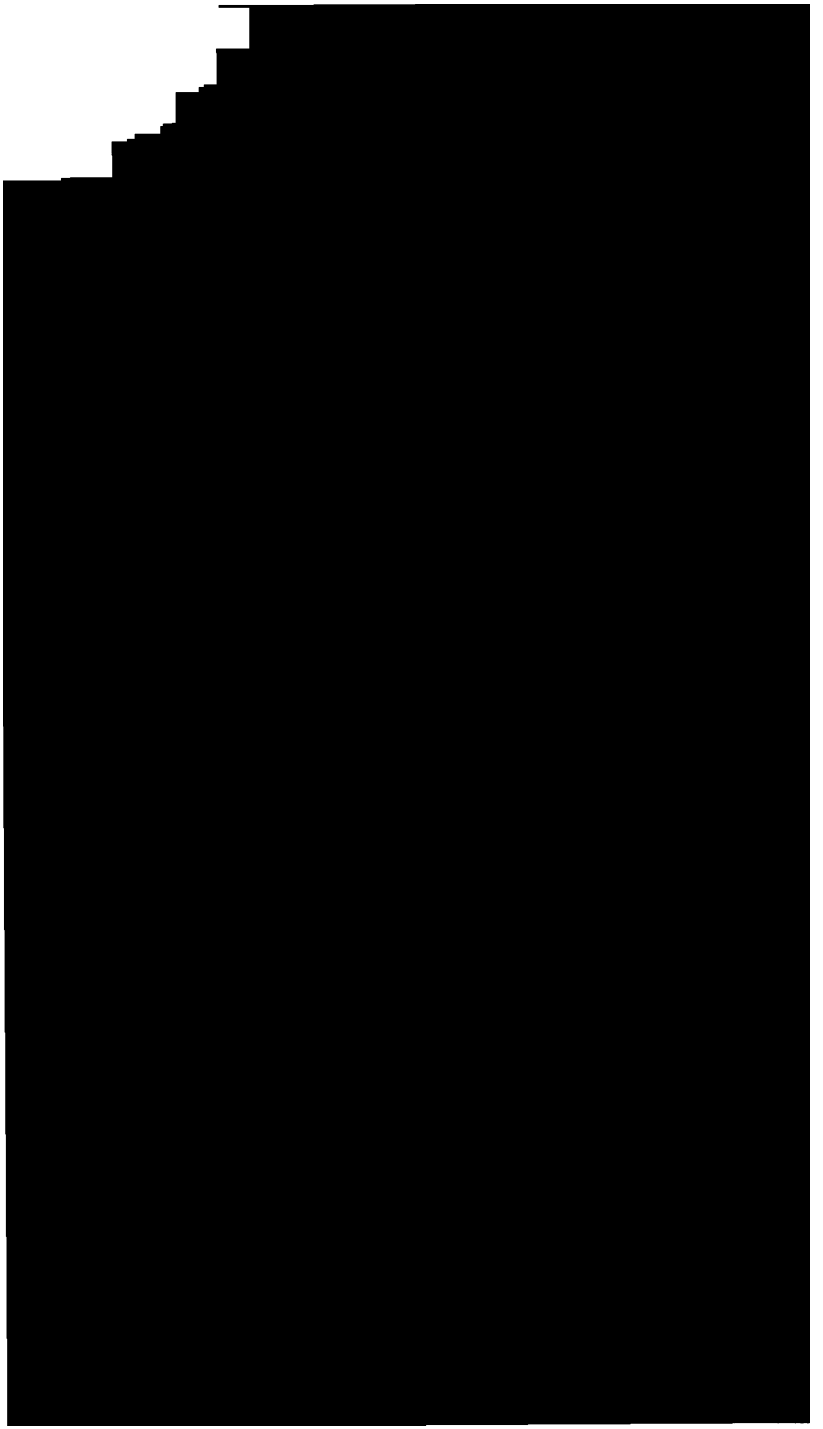


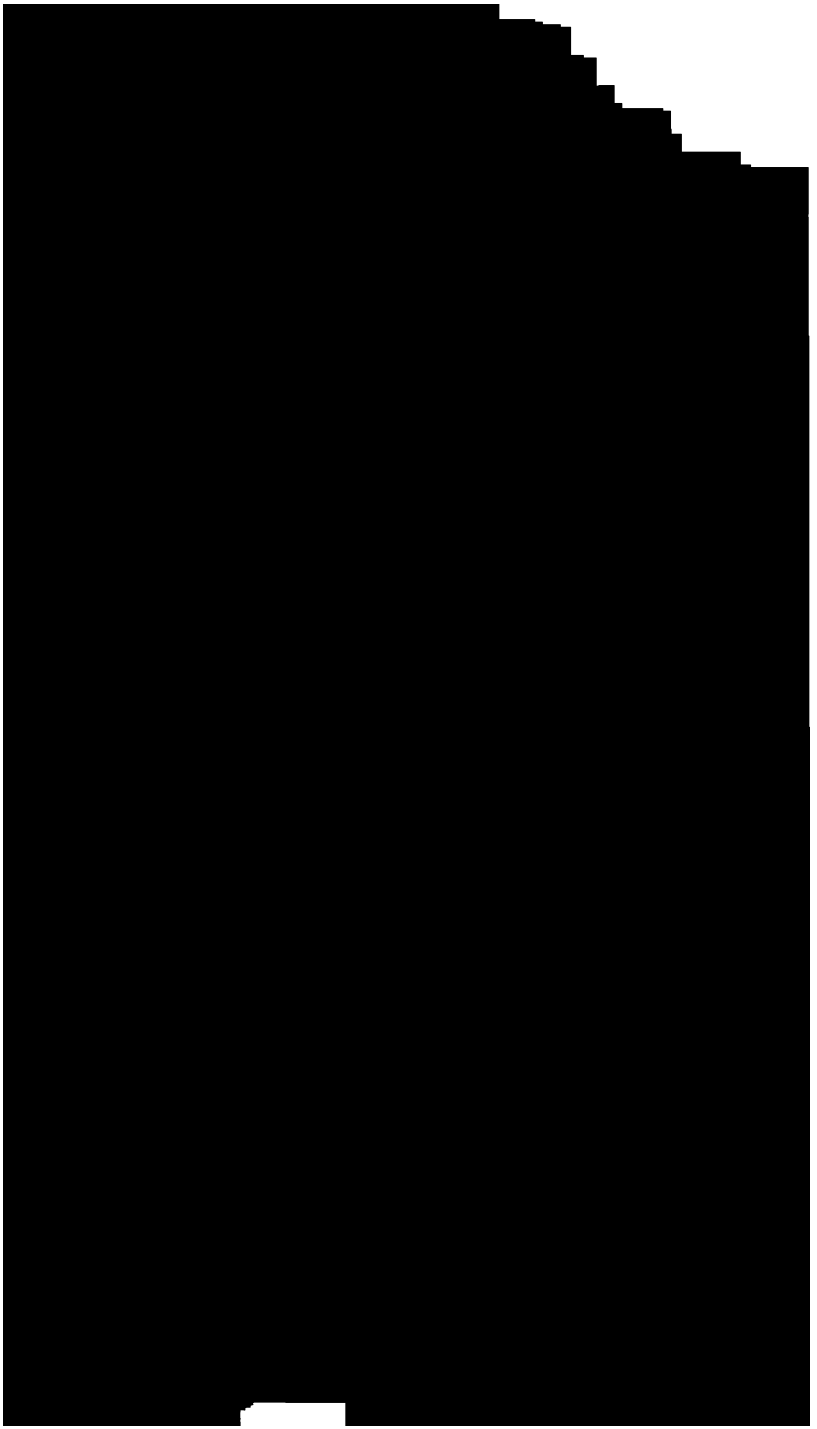


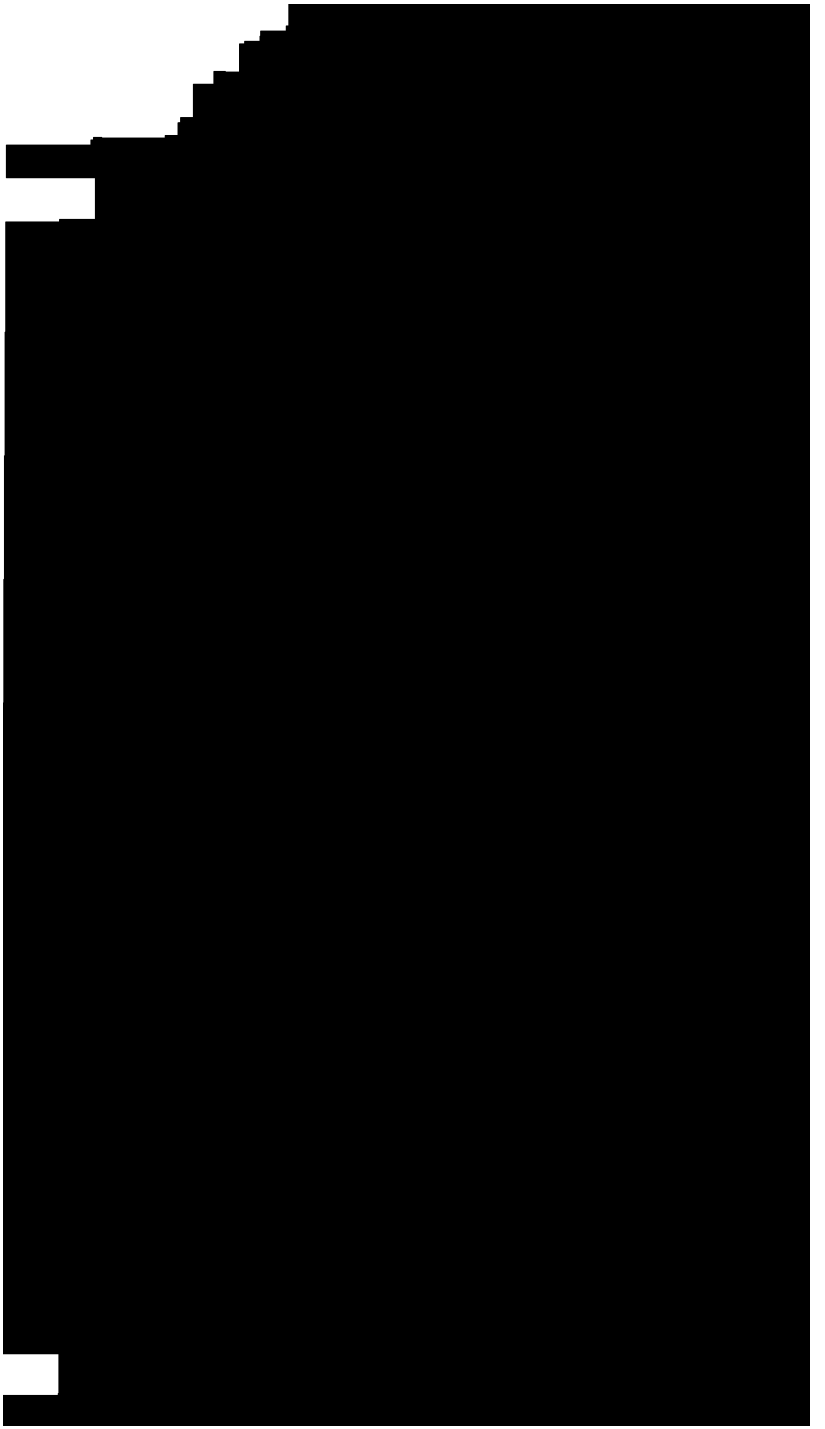


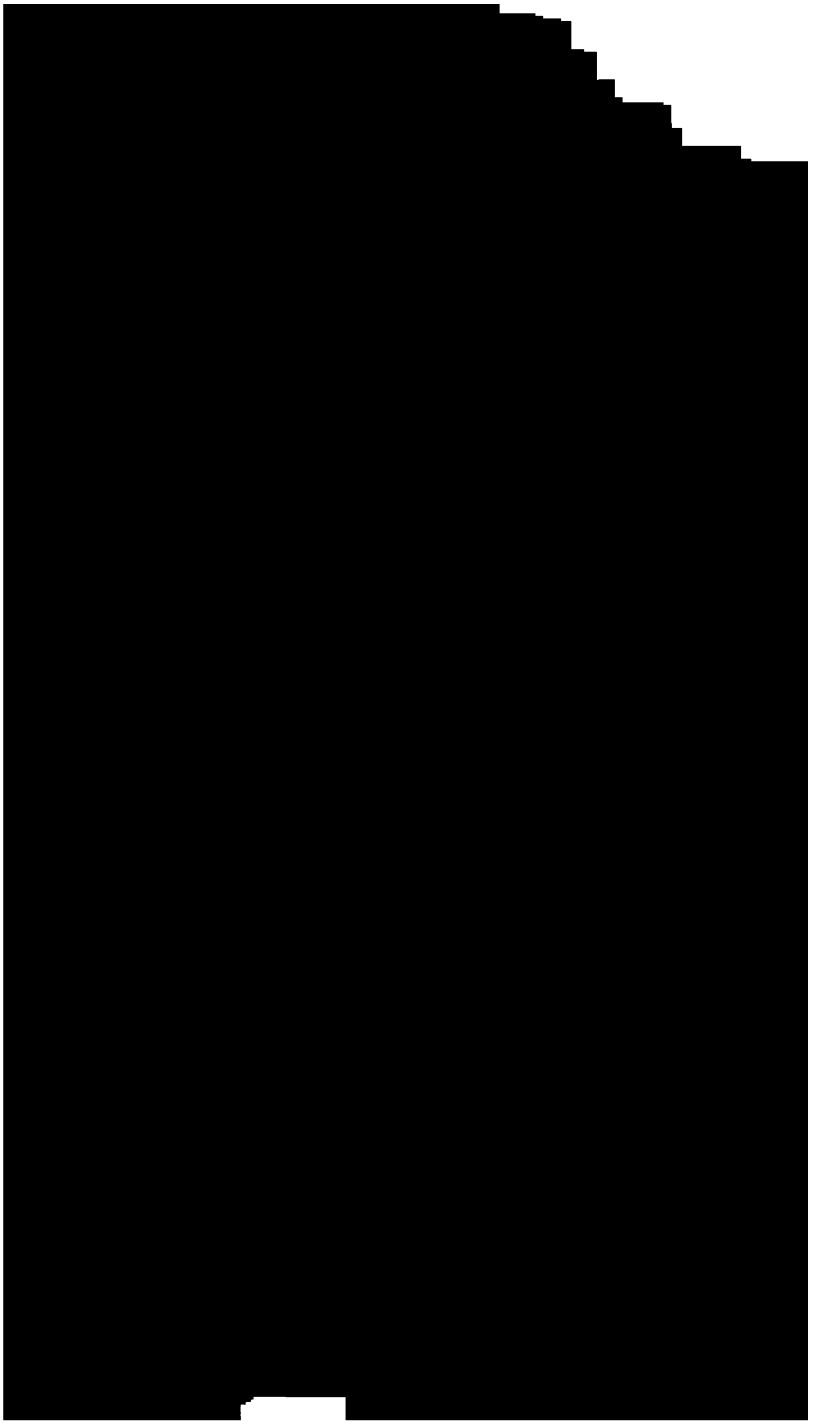


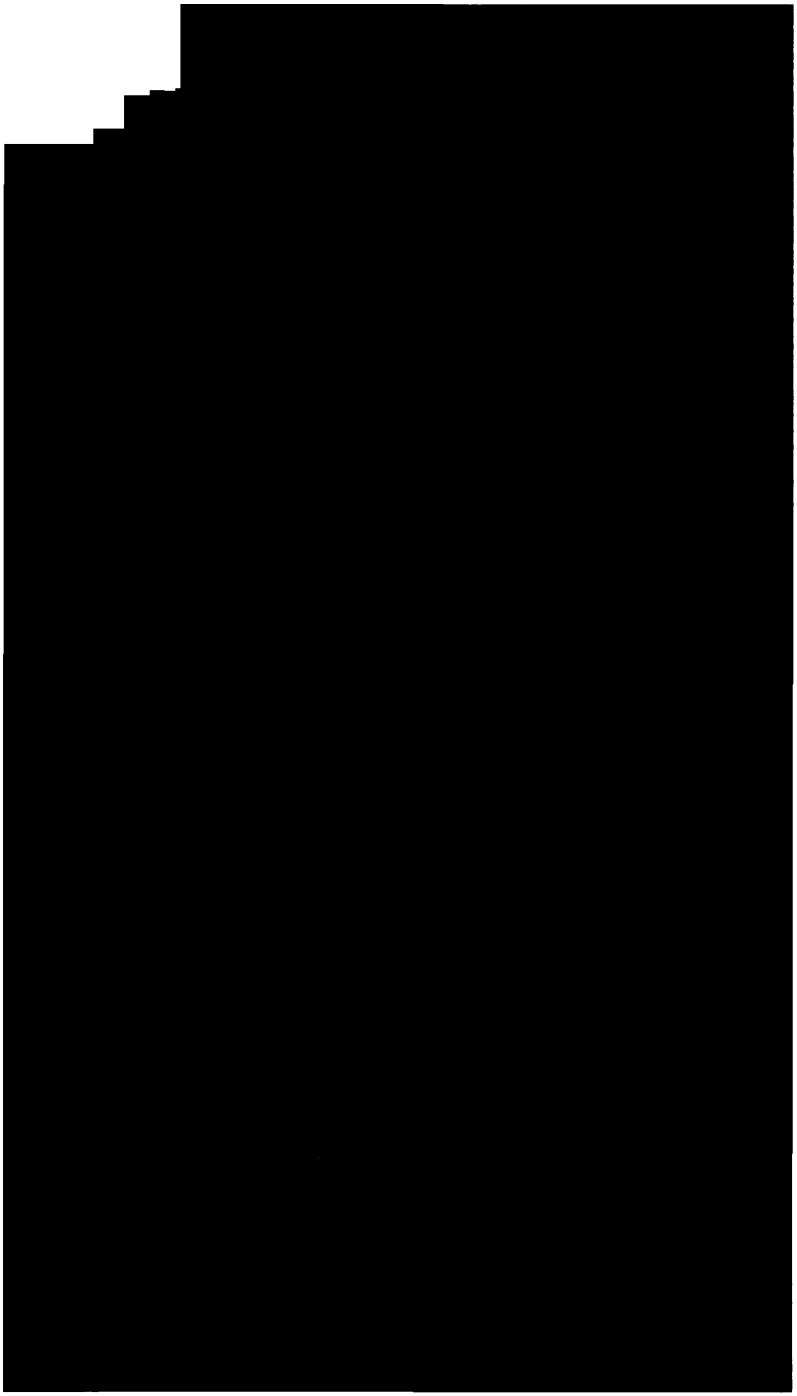


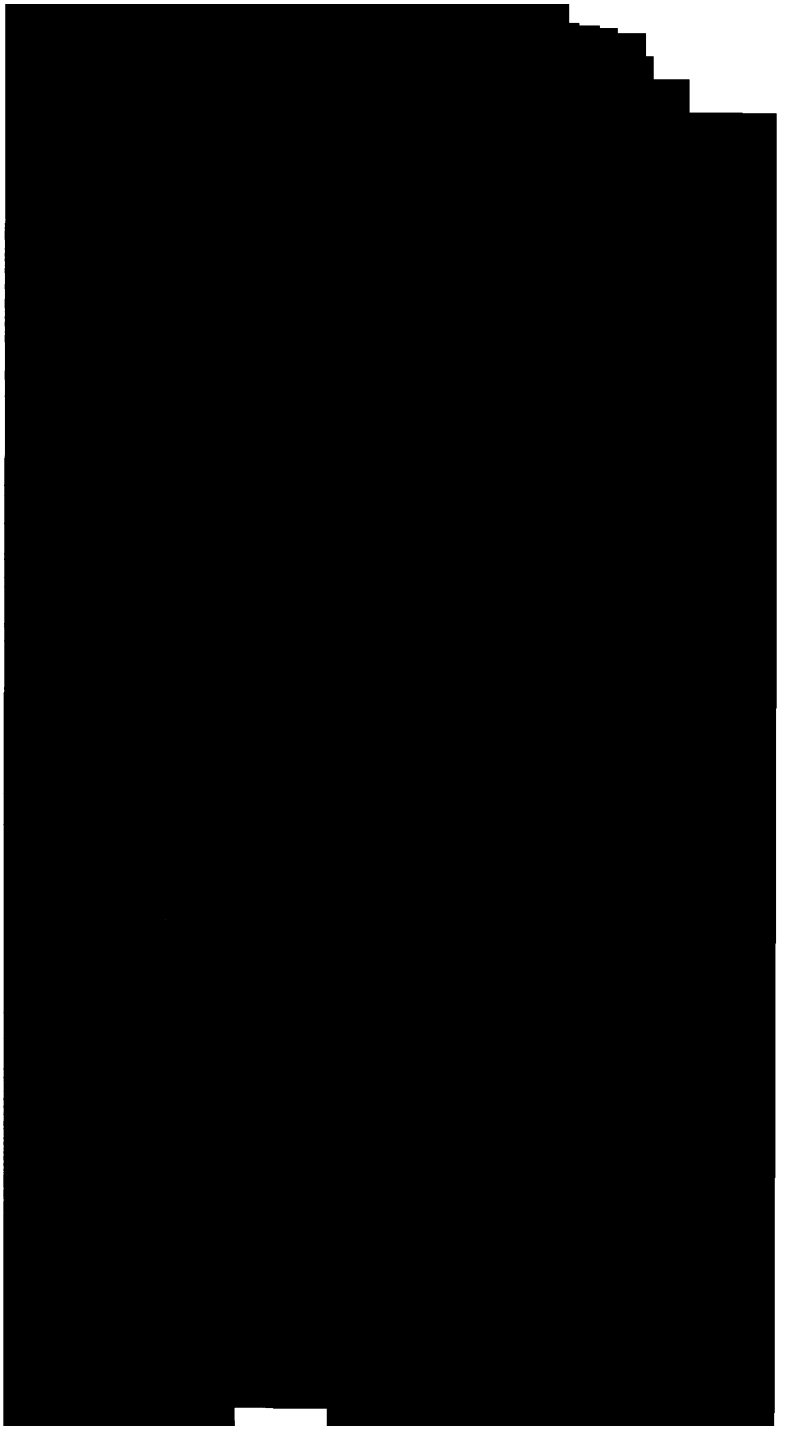


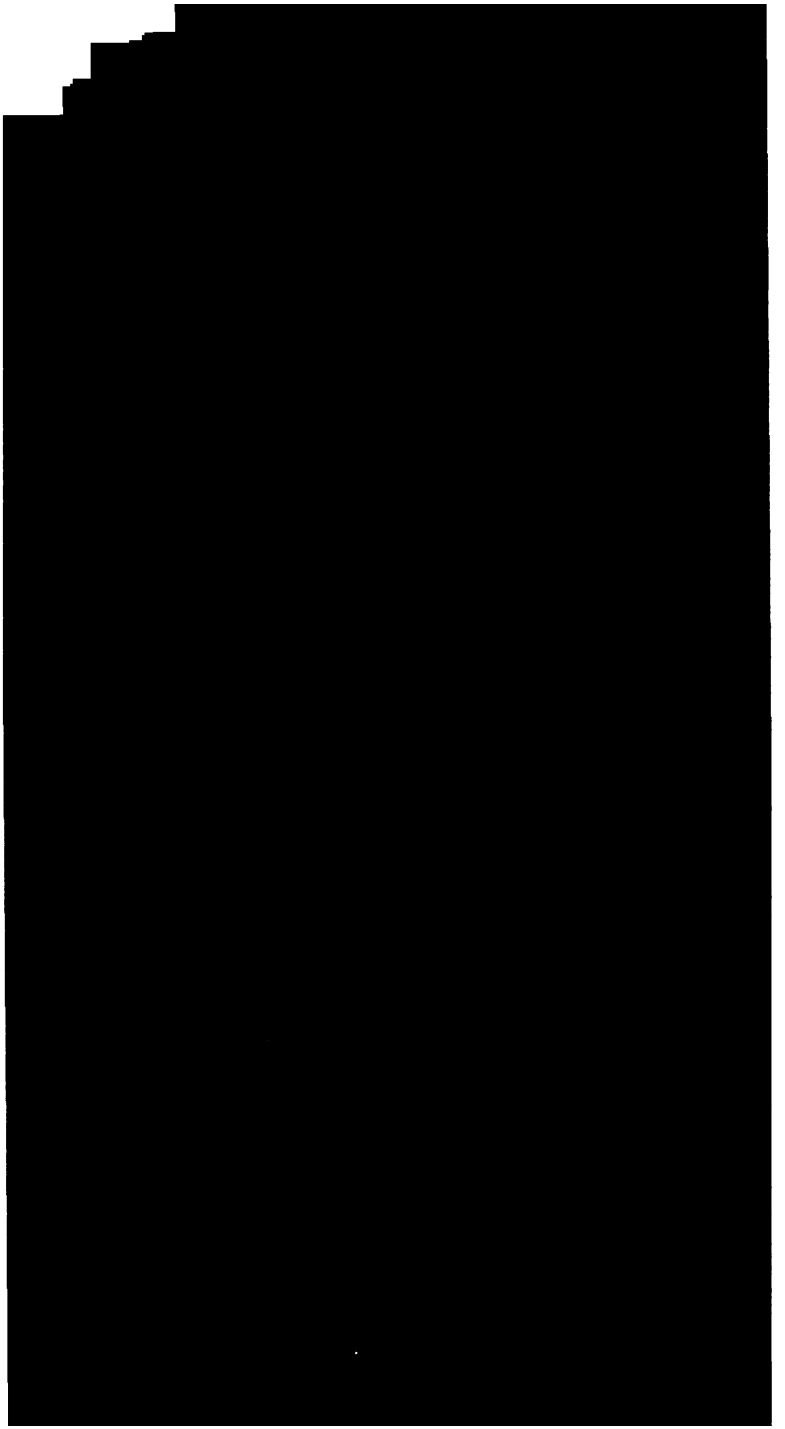


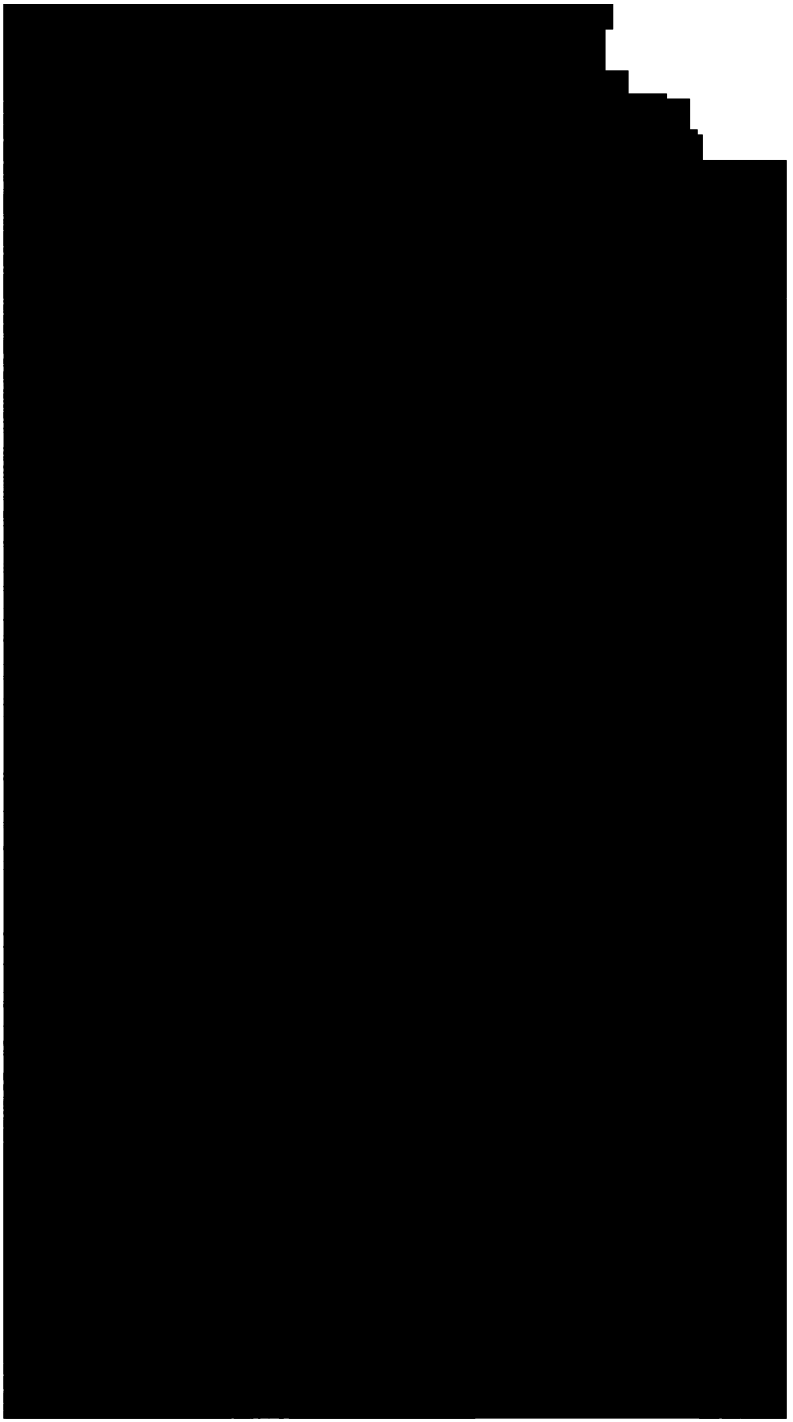


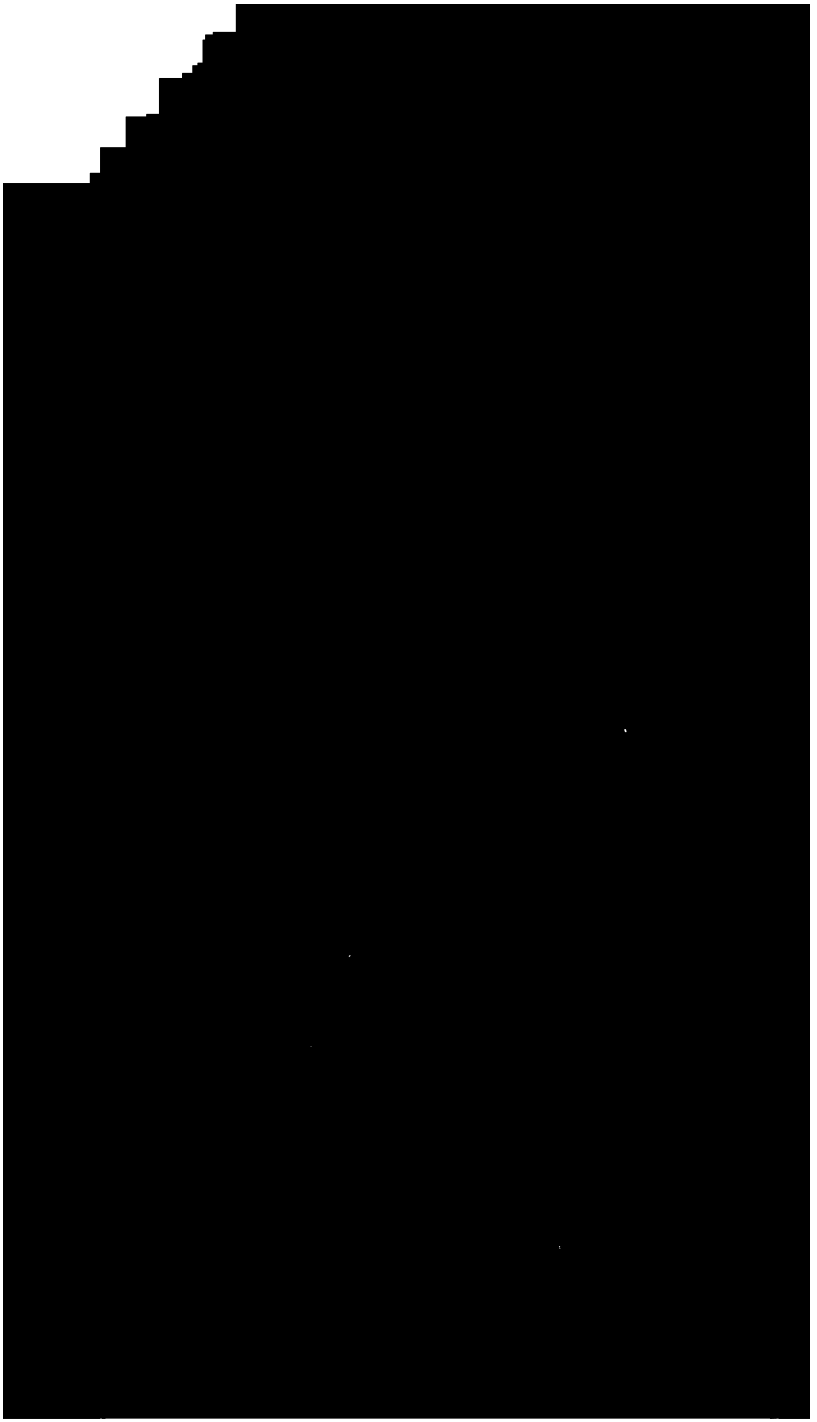


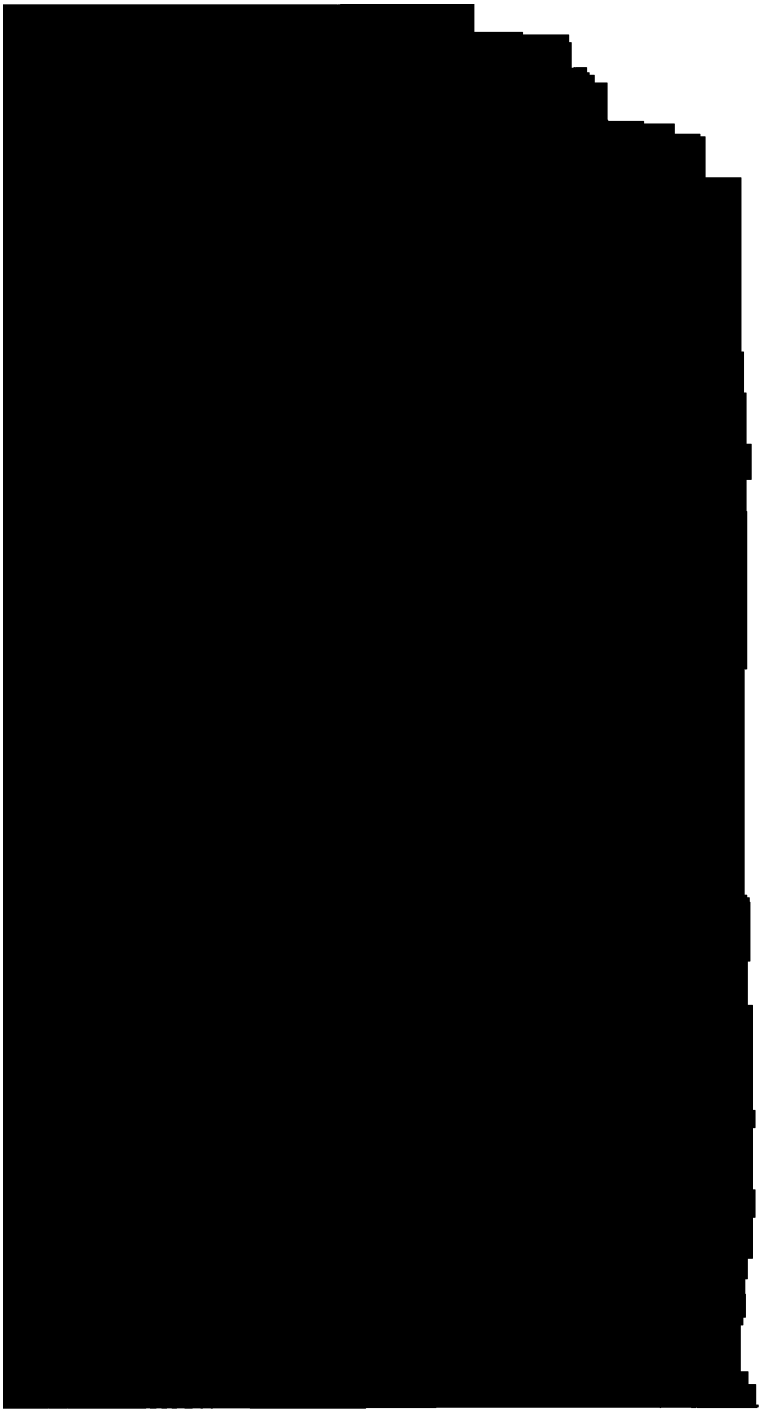


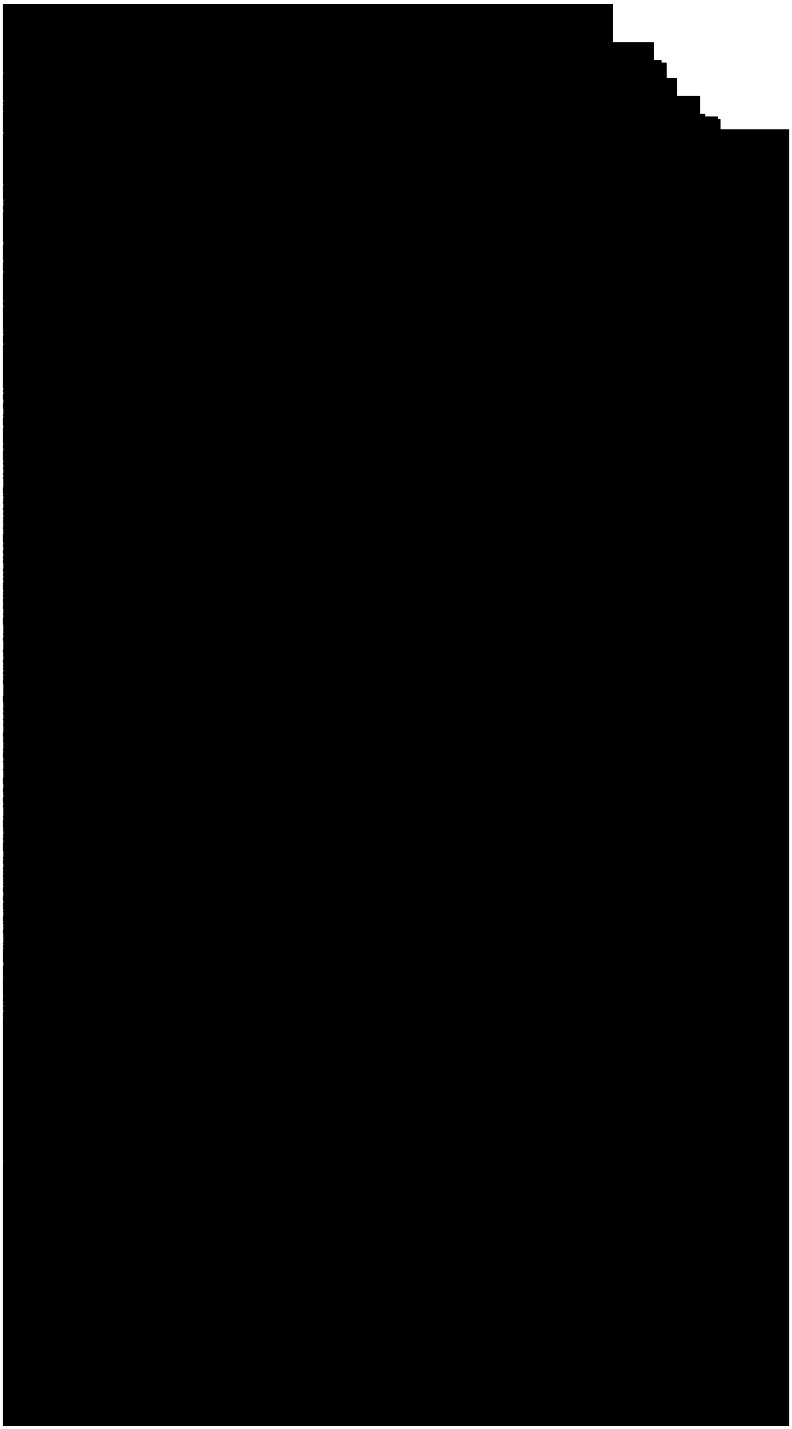


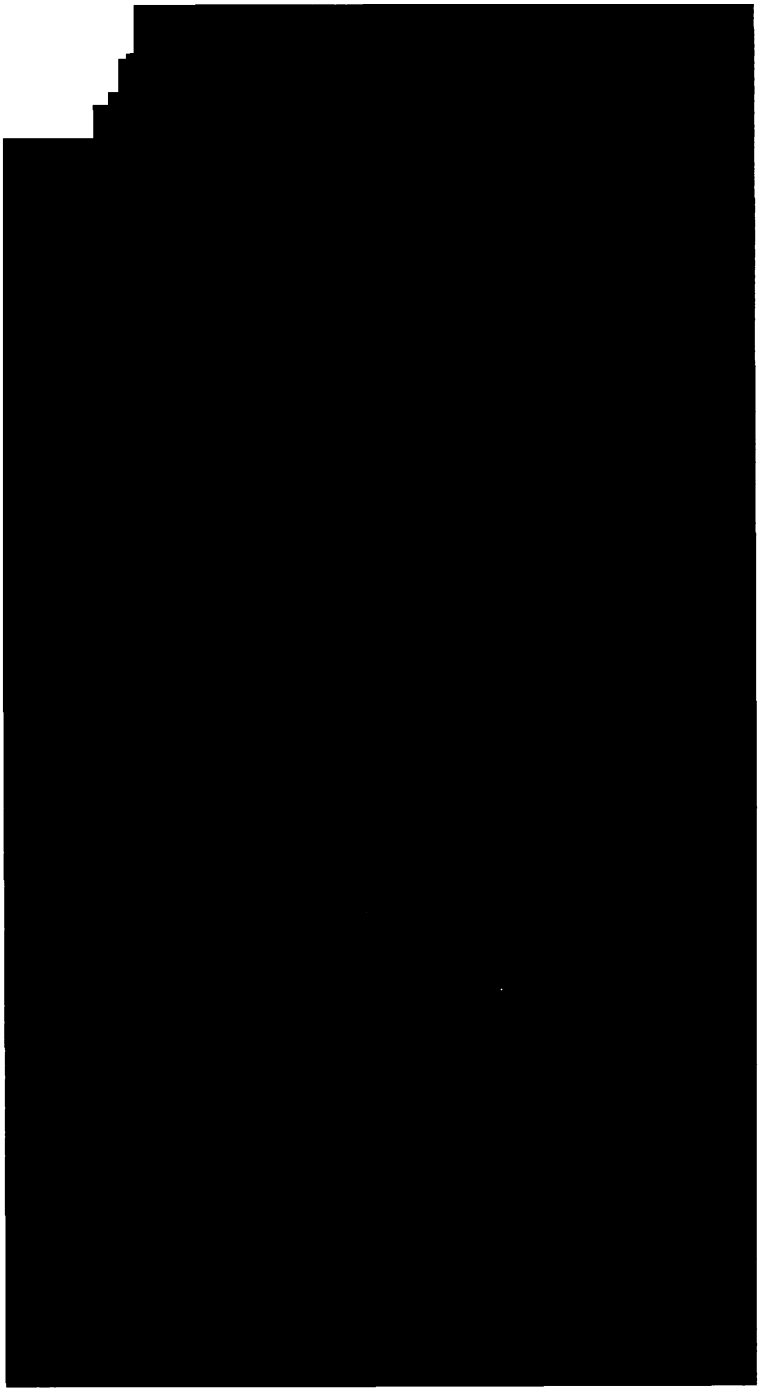


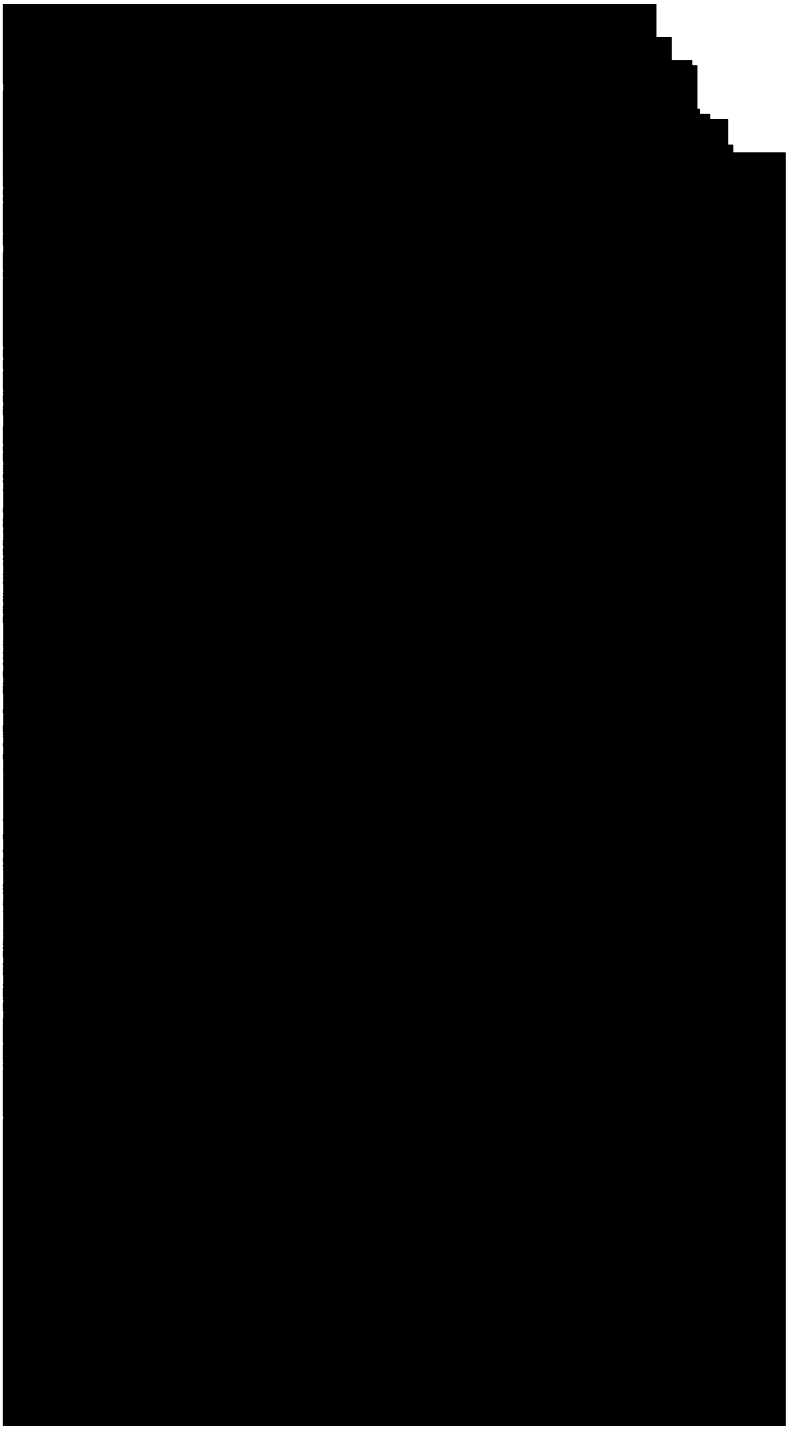


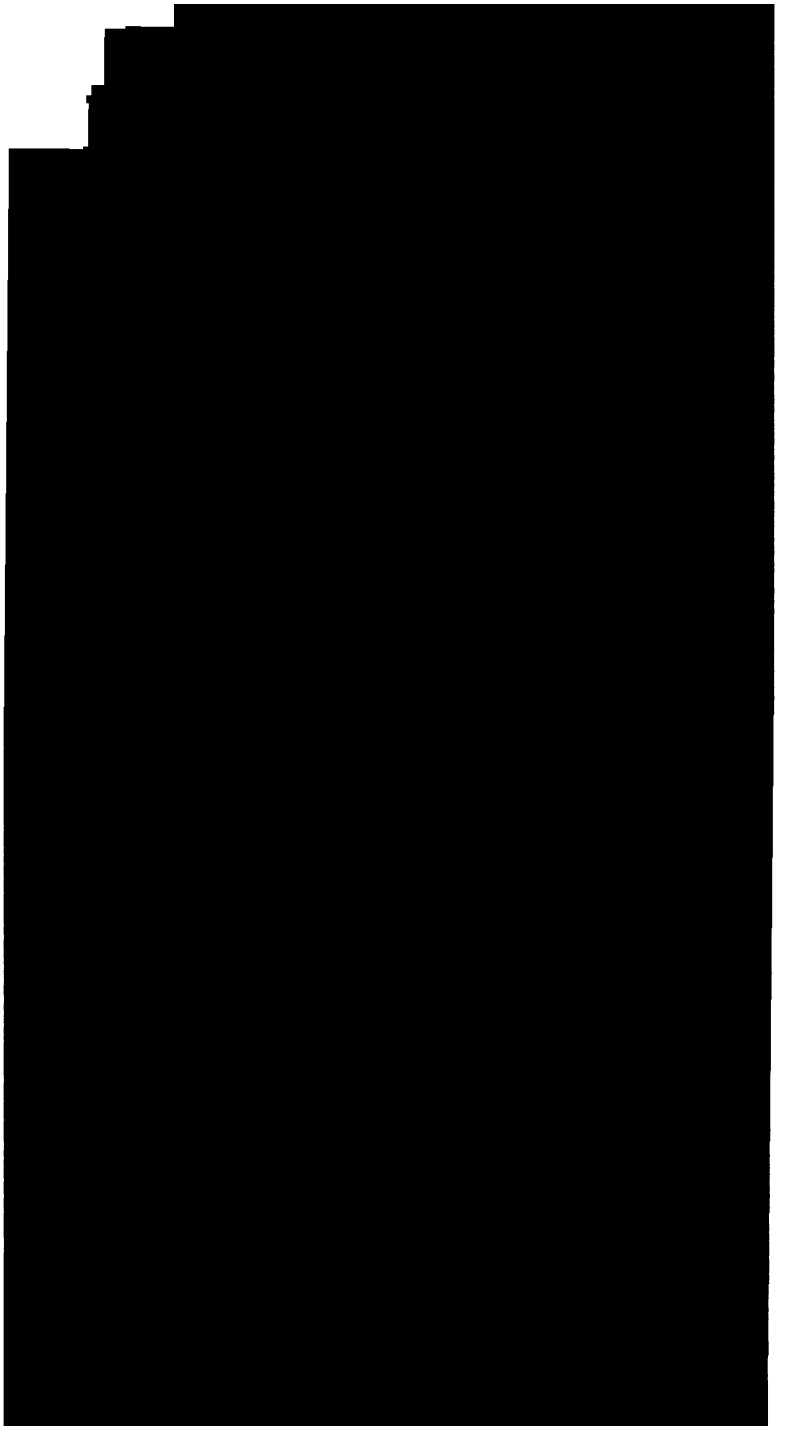


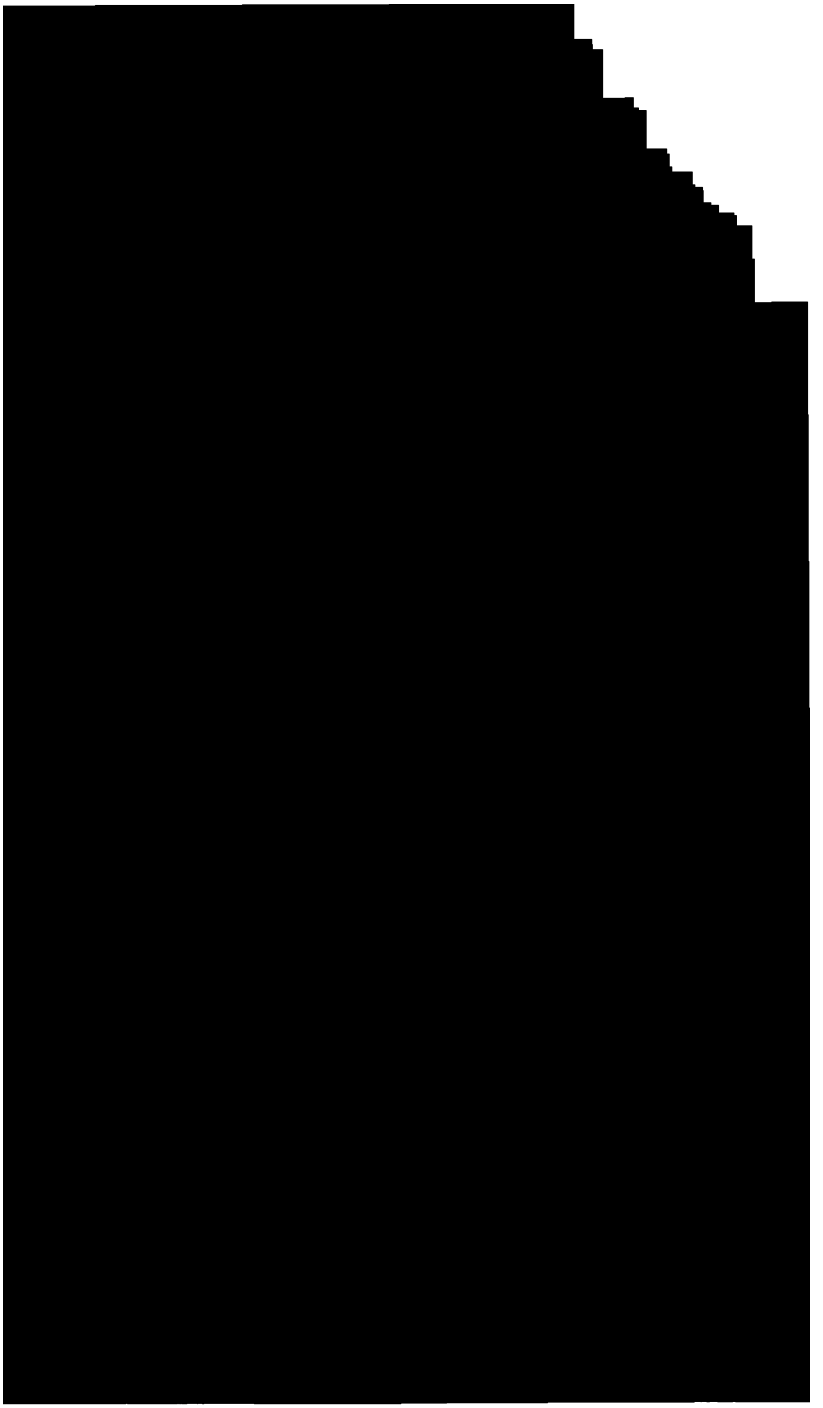


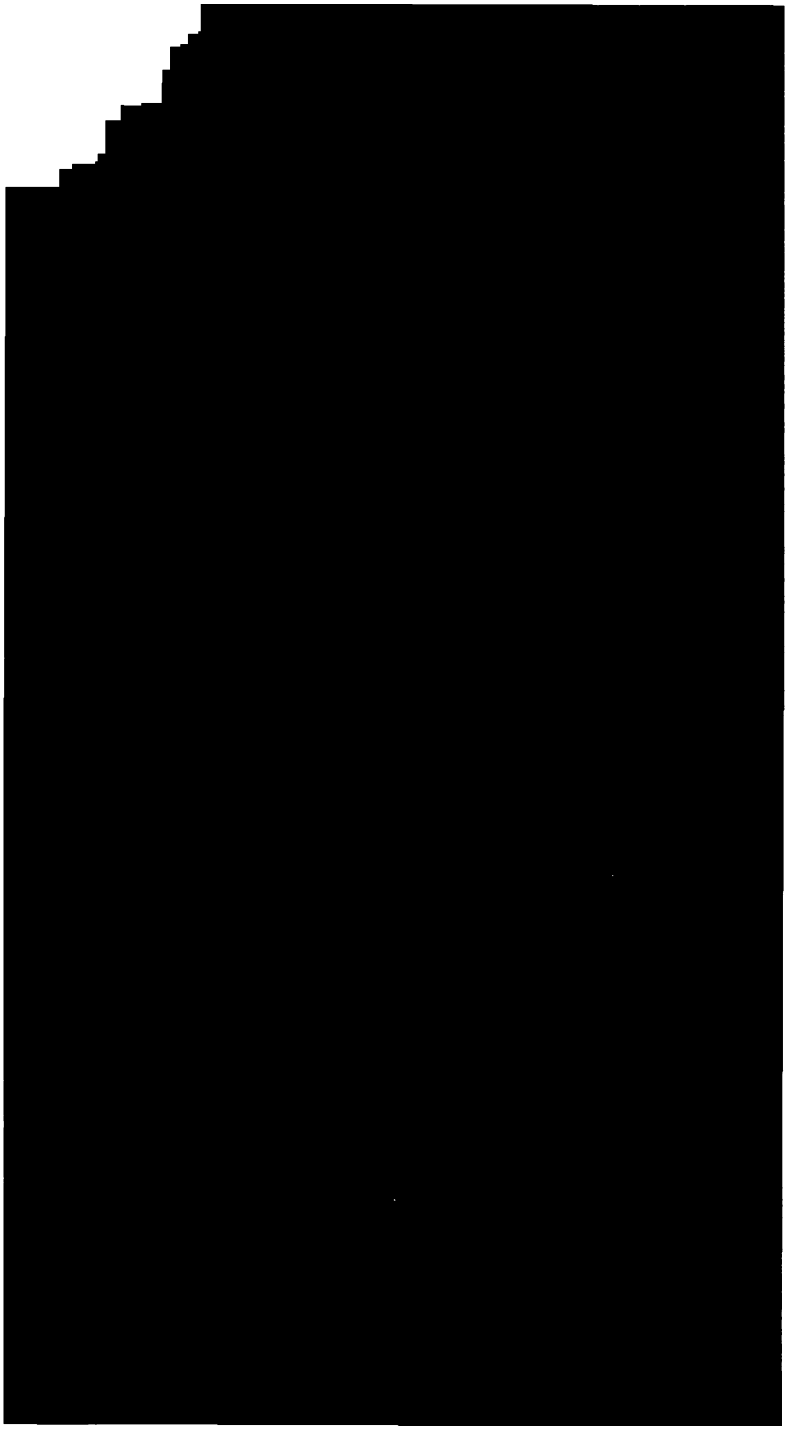


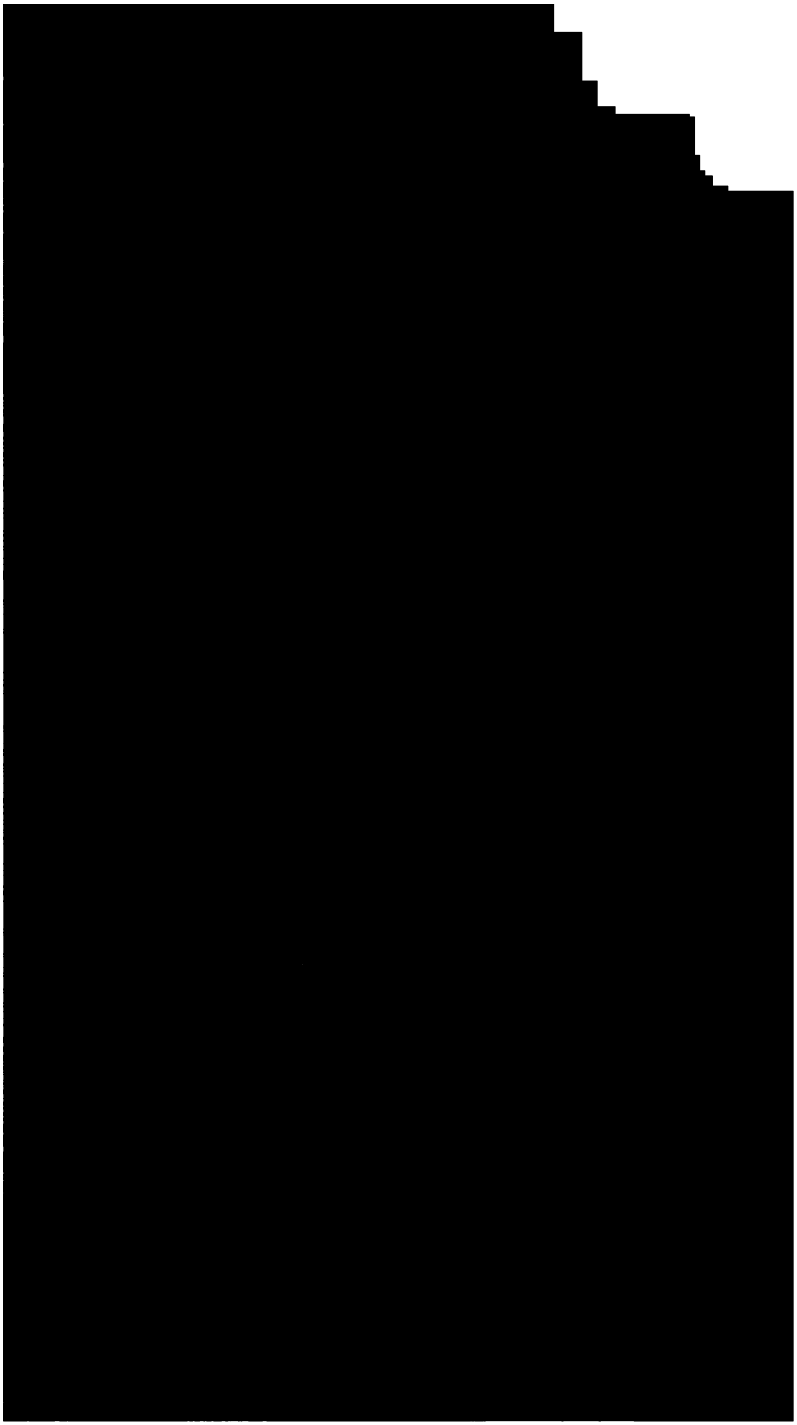


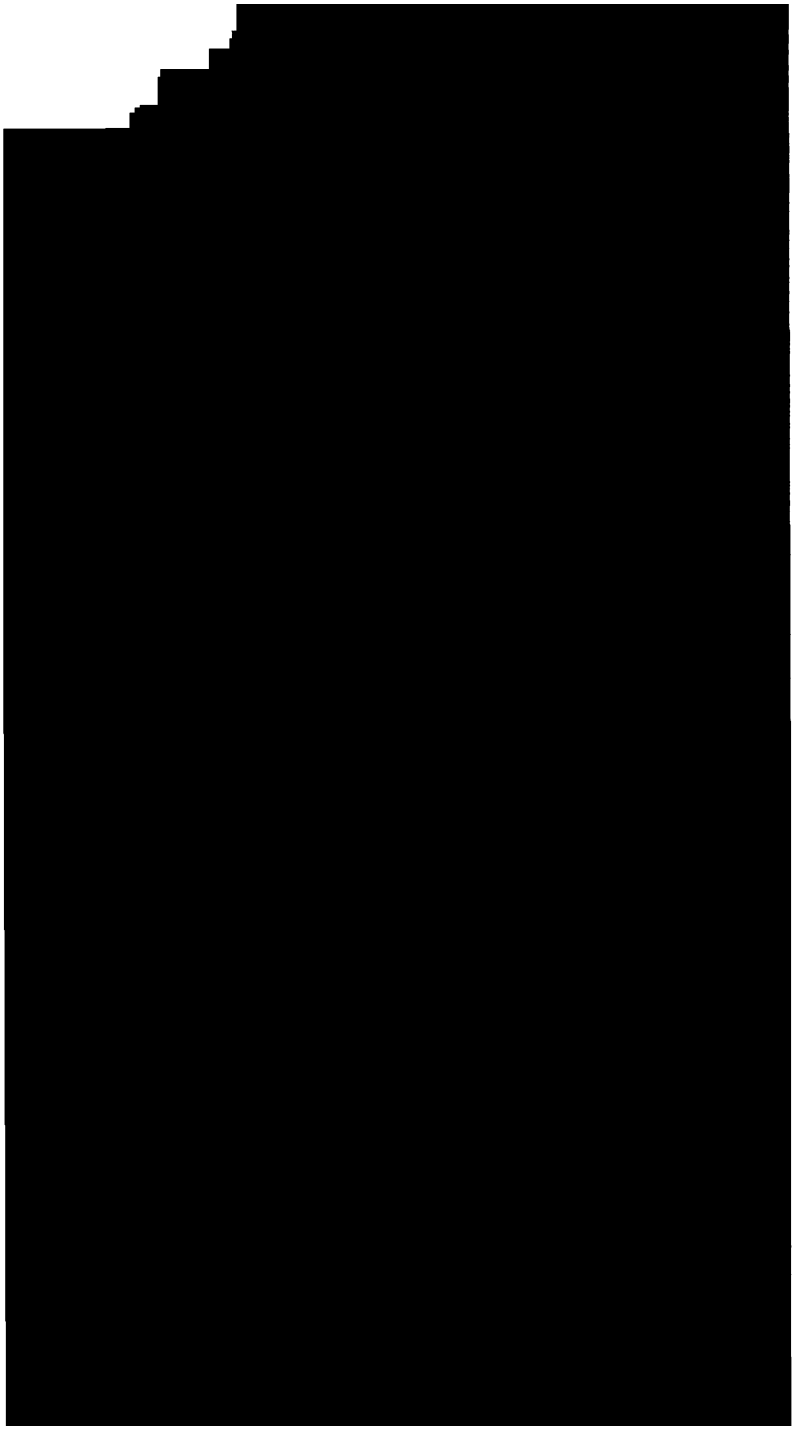


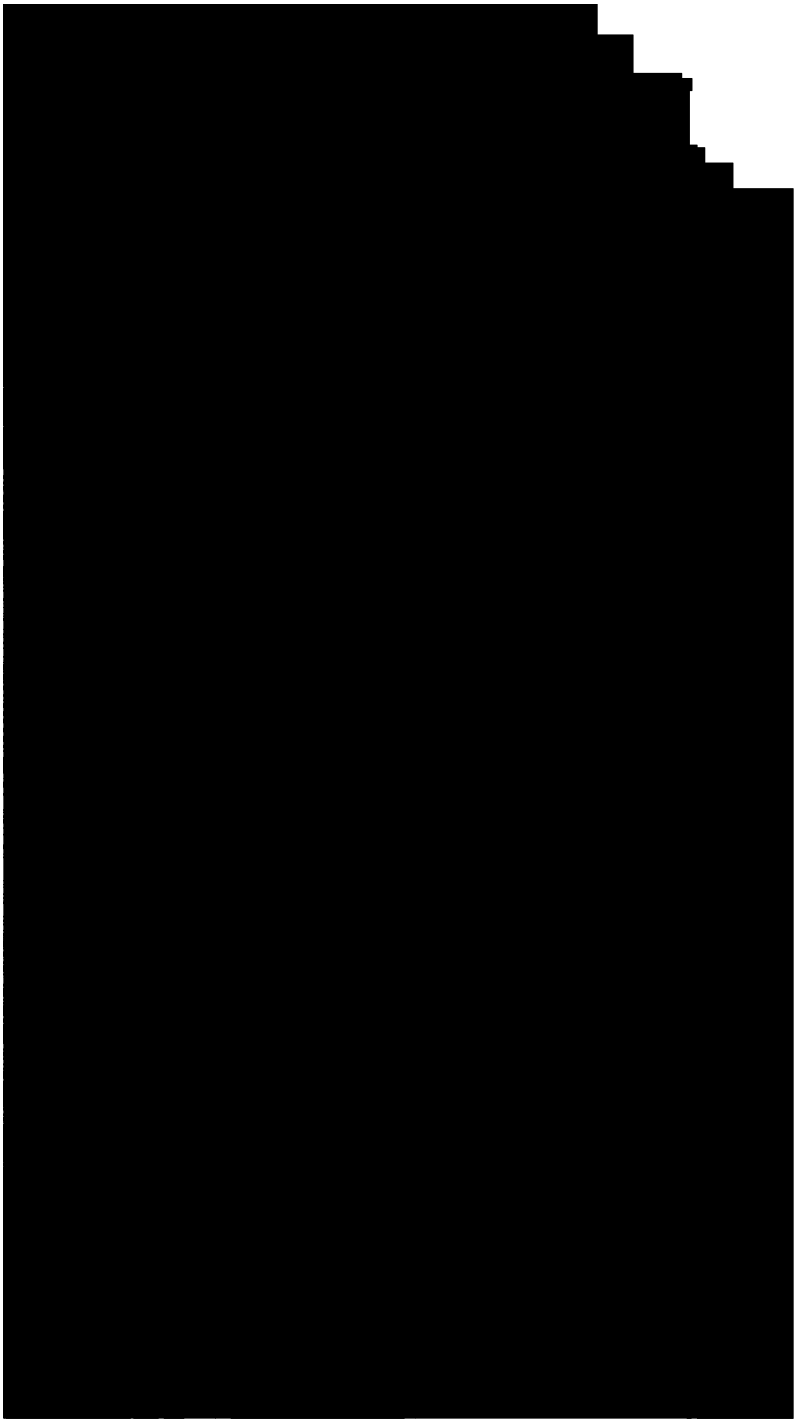


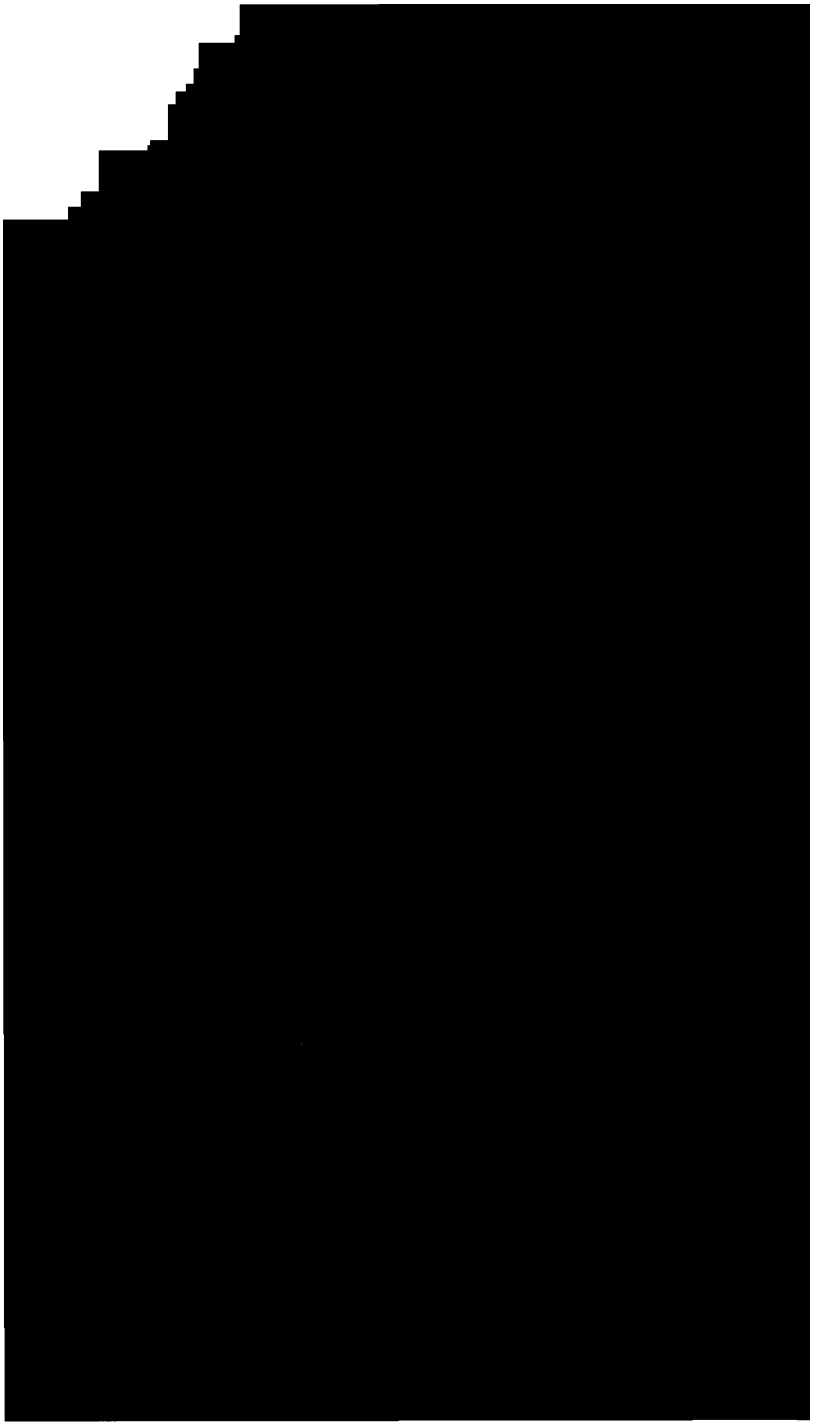












the line of Isthmian transit free from interruption in case Colombia should attr to repossess her sovereignty. Orders were given to allow no Colombian troops t landed at points from which they would menace Isthmian transit. Colombia making, and having no power to make, a serious effort to reconquer the Isthmus, new republic soon asked and obtained complete political recognition. Philippe Bu Varilla was commissioned envoy extraordinary and minister plenipotentiary to United States. He reached Washington from New-York on November 7, and formally received on November 13 by President Roosevelt. On November 17 the government was recognized by France, and shortly afterward by Great Brit Germany and Russia.

One of the first acts of the new Panama Government was to propose the conclusion of an Isthmian Canal treaty with the United States. A special commis consisting of Federico Boyd, a member of the Provisional Junta, and Dr. Ma Amador, Minister of Finance, was sent to Washington to conduct the negotiati A canal treaty was drawn and signed in Washington on November 18. It was rat by the Panama Government on December 2, 1903, and was submitted for ratifica to the United States Senate by President Roosevelt on December 7. This conven the full text of which can be found under "Treaties Ratified, 2d session LVIIIth gress," page 87, was approved by the Senate on February 23, 1904.

On December 13 the Provisional Junta published a decree convoking a nati convention for January 15, 1904. This convention, elected on December 28, 1903, in Panama, framed a constitution and elected Manuel Amador President of republic.

By a decree of the convention, which resolved itself into a legislative assem it was declared on March 4 that from December 31, 1904, the monetary unit of Pan should be the gold dollar.

The Republic of Panama has an area of 31,571 square miles and a populatio 500,000. The principal ports are Panama, on the Pacific Coast, and Colon on Atlantic side.

Colon, or Aspinwall, as it is sometimes called, has a population of about persons. The city of Panama has a population of about 25,000. It was founde 1519, burned in 1671, and rebuilt in 1673, while Colon is of much more recent having been founded in 1855.

The republic is divided into seven provinces, as follows:

Provinces.	Capitals.	Provinces.	Capitals.
Panama	Panama.	Los Santos	Los Santos.
Colon	Colon.	Veragua	Santiago.
Bocas del Toro	Bocas del Toro.	Cocle	Penonome.
Chiriqui	David.		

Of the commerce of Panama, which reaches a value of about $14,500,000 annu the United States supplies the lion's share. For the fiscal years 1903–'04, 1904–'05 1905–'06, exchanges with the United States were as follows:

TRADE BETWEEN PANAMA AND THE UNITED STATES.

Years.	Imports to U. S.	Exports fr U. S.
1903–'04	$440,747	$97
1904–'05	813,154	4,74
1905–'06	1,065,887	12,46

The exports to the United States consist chiefly of bananas, india rubber, c and other tropical products. The imports from the United States consist largel flour, provisions, cotton cloths, lumber and manufactures of iron and steel and w

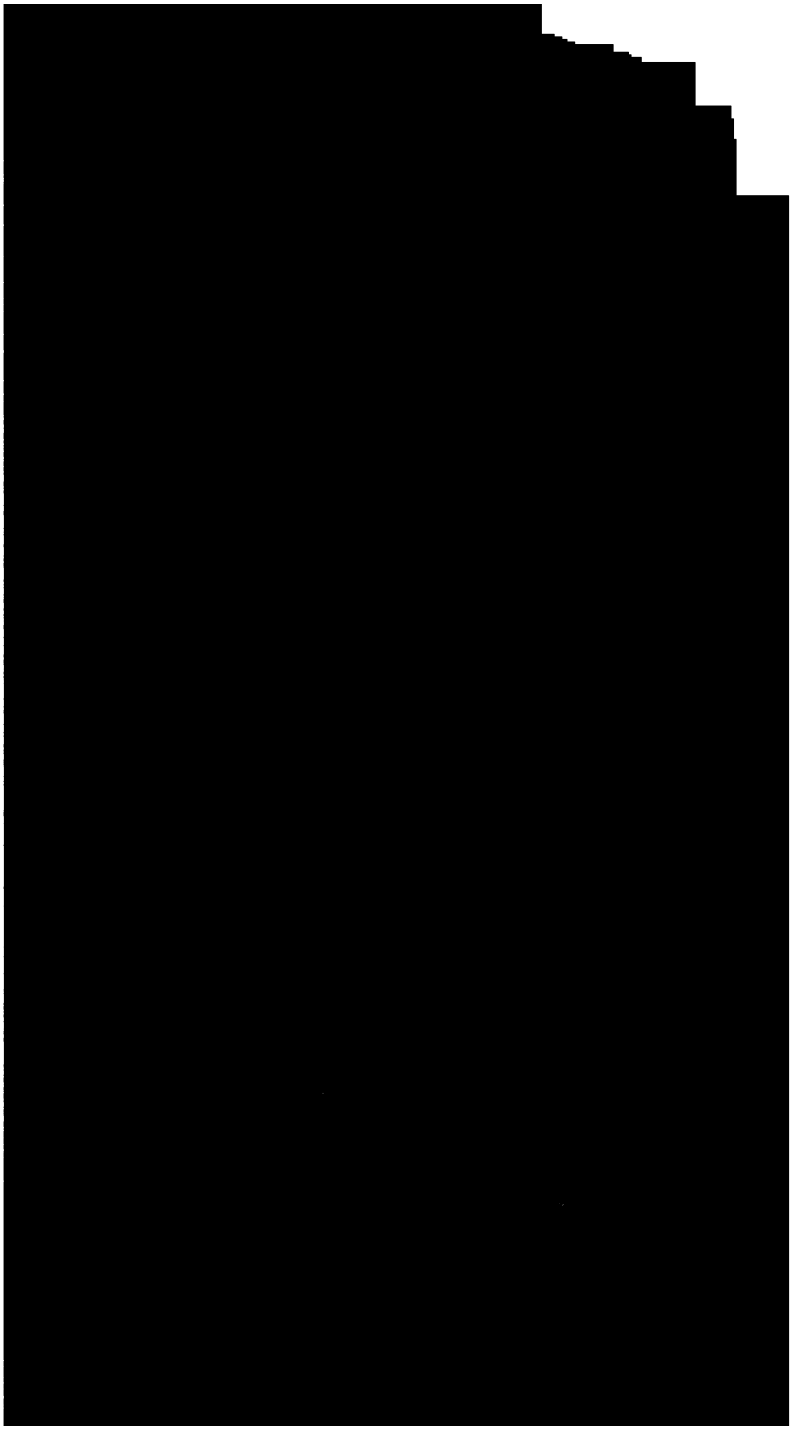
Panama is connected with San Francisco by a weekly steamer schedule oper by the Pacific Mail Steamship Company and with Valparaiso by a weekly stea schedule operated by the Pacific Steam Navigation Company and South Amer Steamship Company. Two passenger and two freight trains leave Panama daily Colon and Colon daily for Panama. The time for passenger trains over the fo seven miles of railway is three hours.

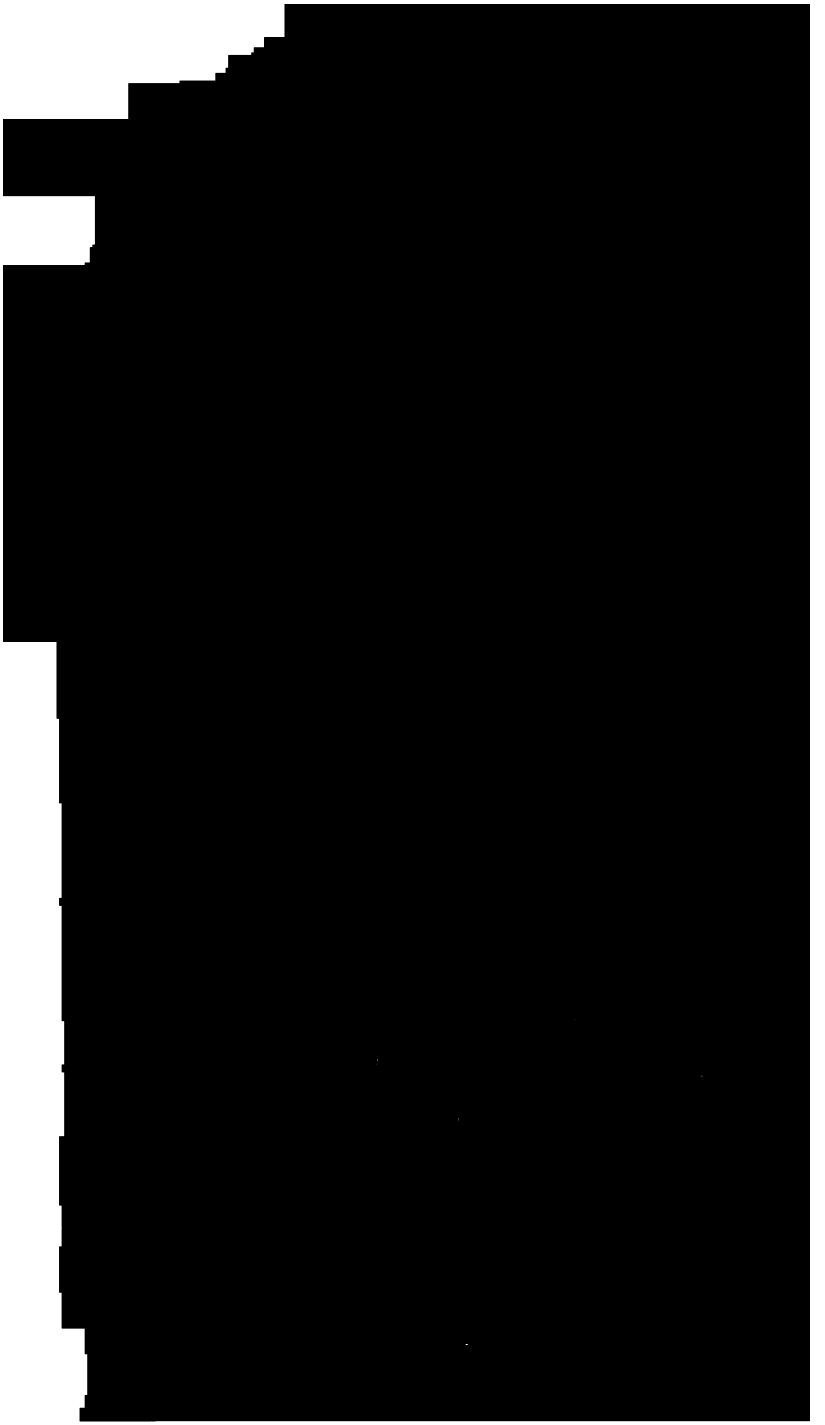
During the year 1904 377 steamers of 1,337,000 tons and 241 sailing vessel 15,400 tons entered Colon, an increase of 75 steamers over the year preceding. Panama Railroad Steamship Line is the only one under the American flag. This weekly direct line between New York and Colon. There are three British, one man, one French, one Spanish, one Italian and one Austrian line operating bet Europe and Colon, calling at way ports in the West Indies and Spanish Main on outward and homeward voyages. The United Fruit Company, an American comp operates a line of steamers between New Orleans and Colon; these are mostly c tered Norwegian vessels.

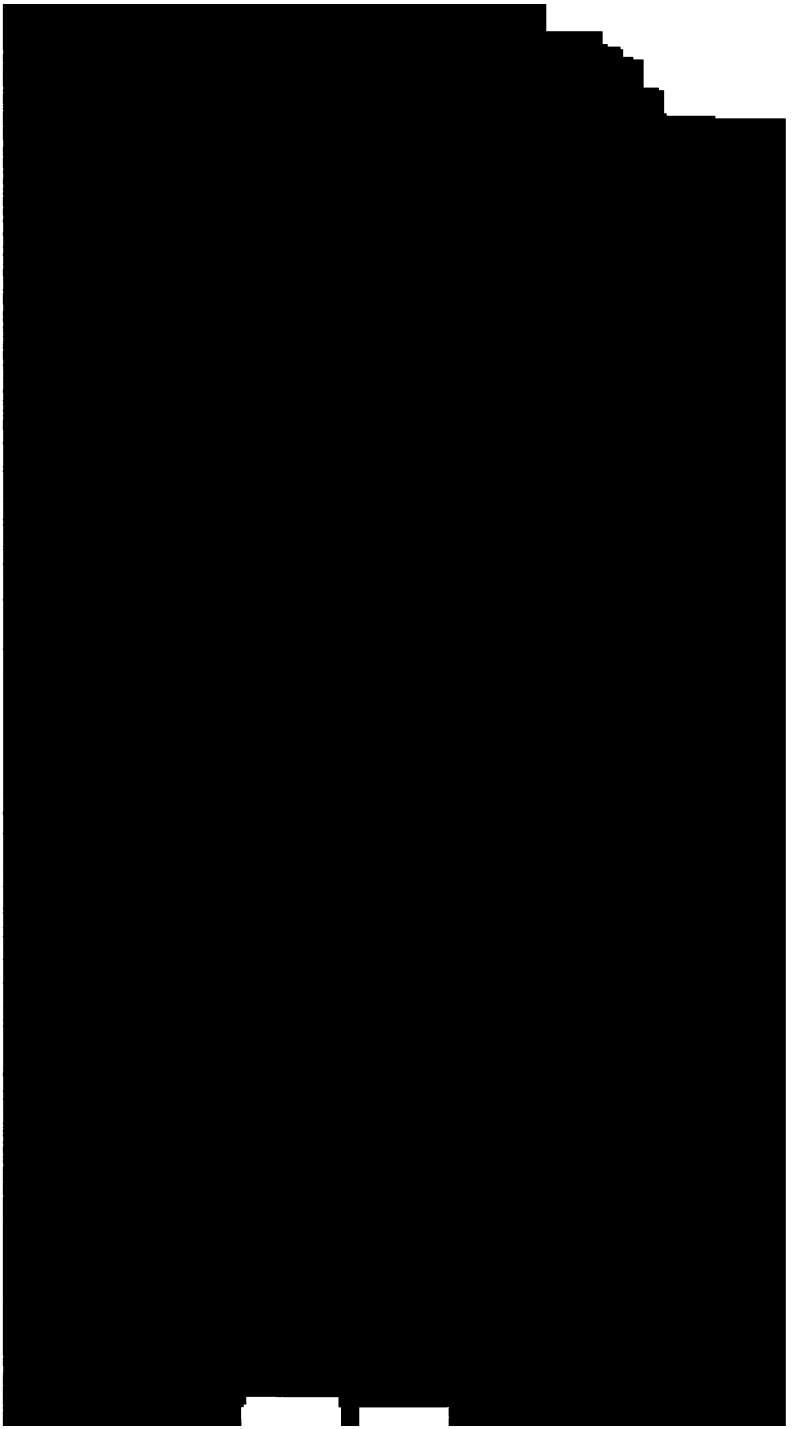
The total freight carried over the Panama Railroad in 1904 was 415,000 t against 350,000 tons in 1903, an increase of over 18 per cent. The tonnage to C was 180,000 tons, an increase of 17,500 tons over the preceding year; that from C was 235,000 tons, or an increase of 47,000 tons over 1903.

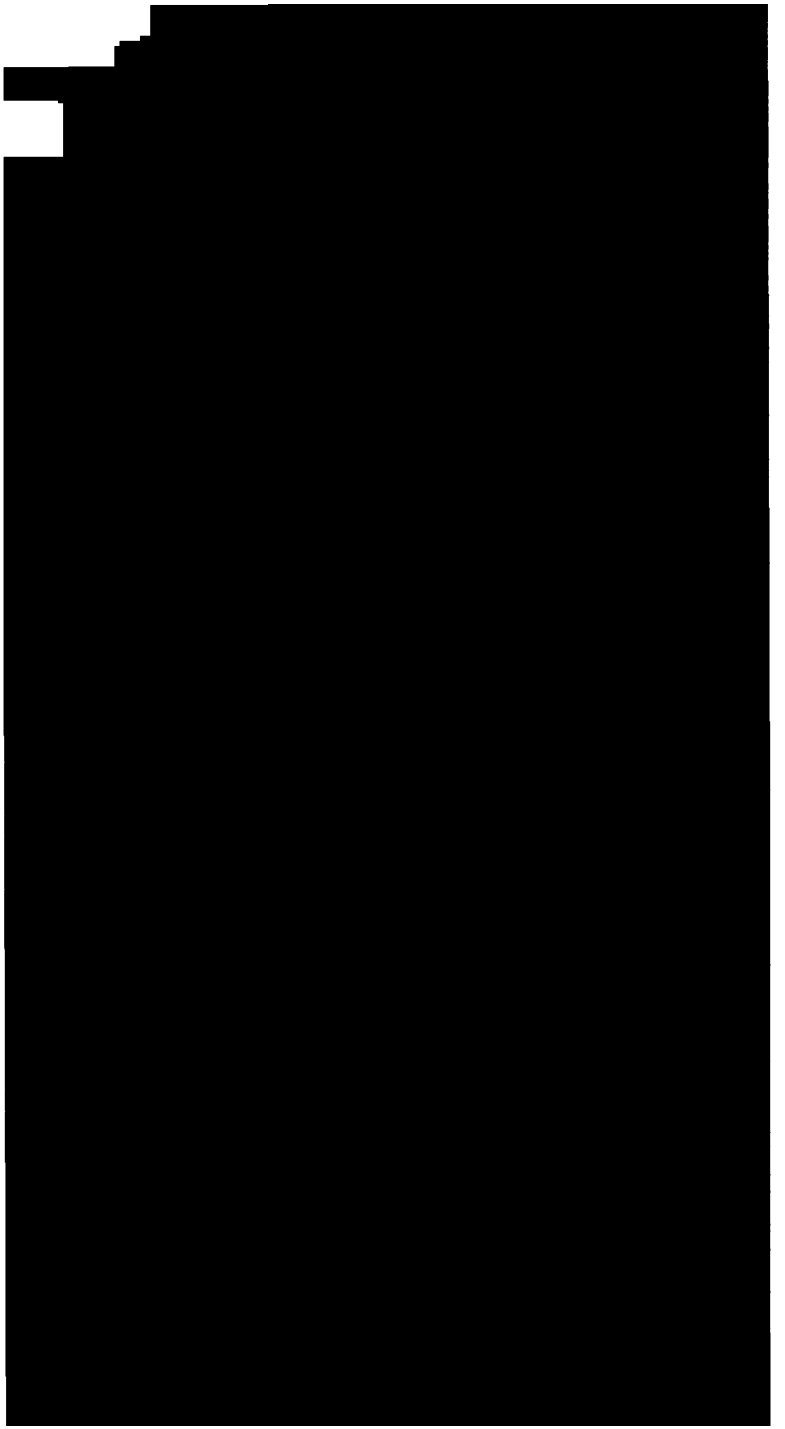
Import duties average about 10 per cent gold. On liquors and bever there are special taxes; these vary according to the kinds and qualities the imports. Cigars, tobacco, cigarettes, salt and ice are government nopolies or are let out by the government to private parties. The governments of United States and of Panama concluded in 1905 a treaty of extradition and a tr exchanging postal facilities at domestic rates.

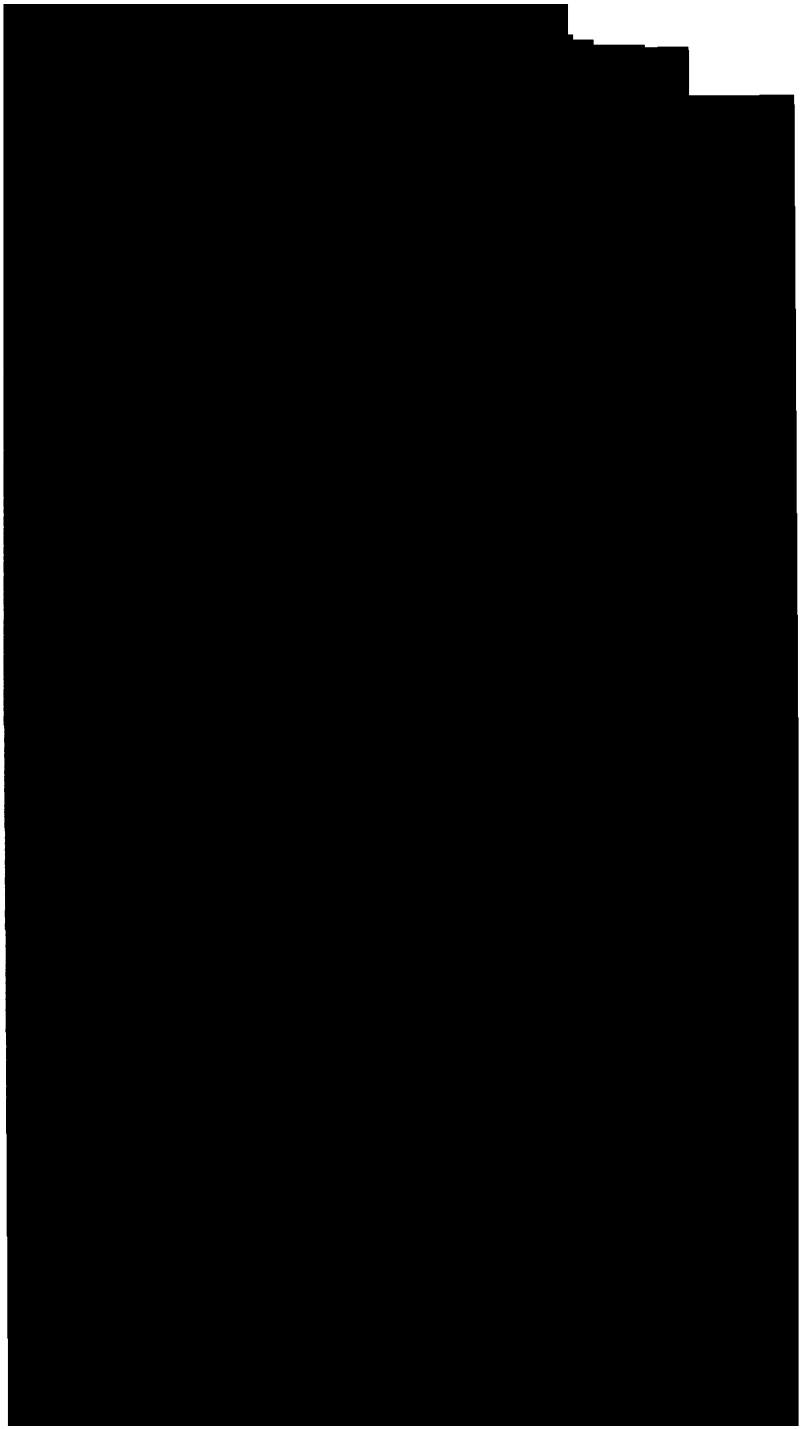
Note.—See other matter about Panama and the canal zone under "The Isthm Canal Zone."

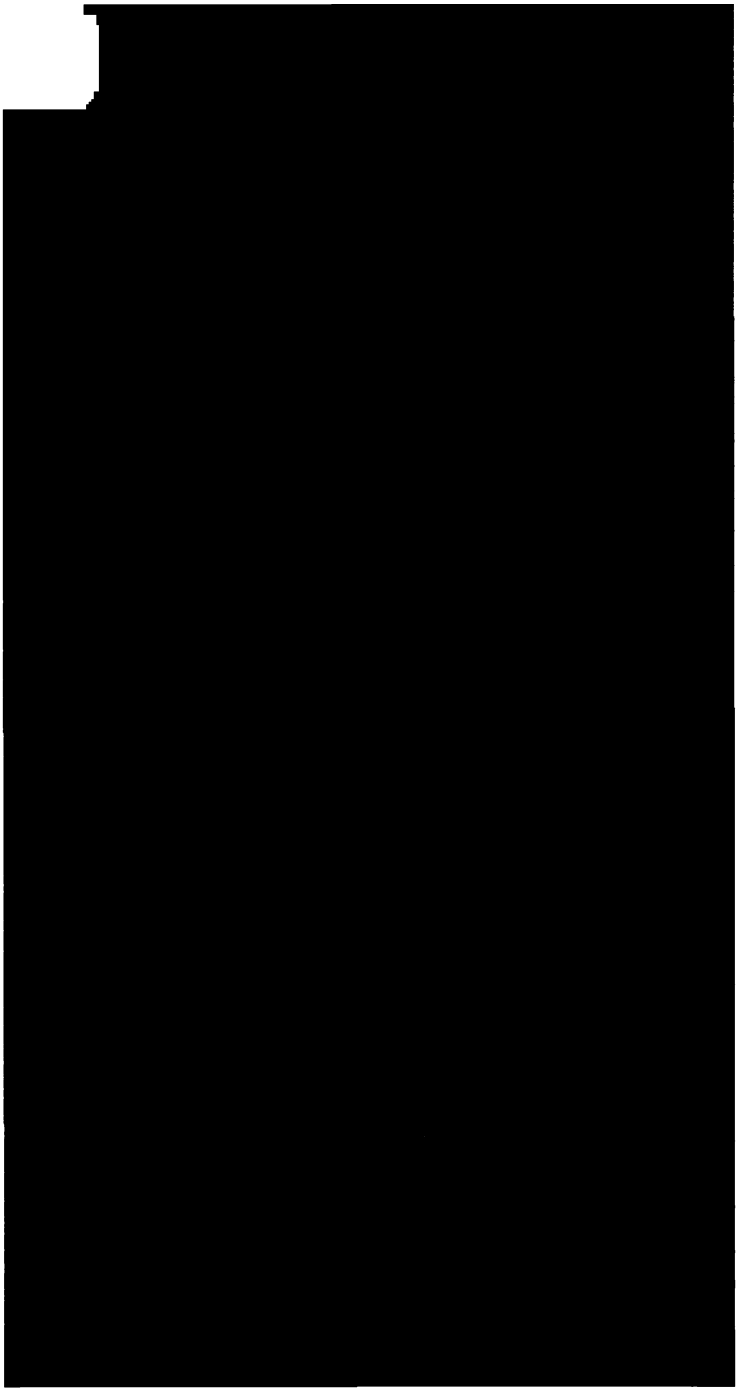


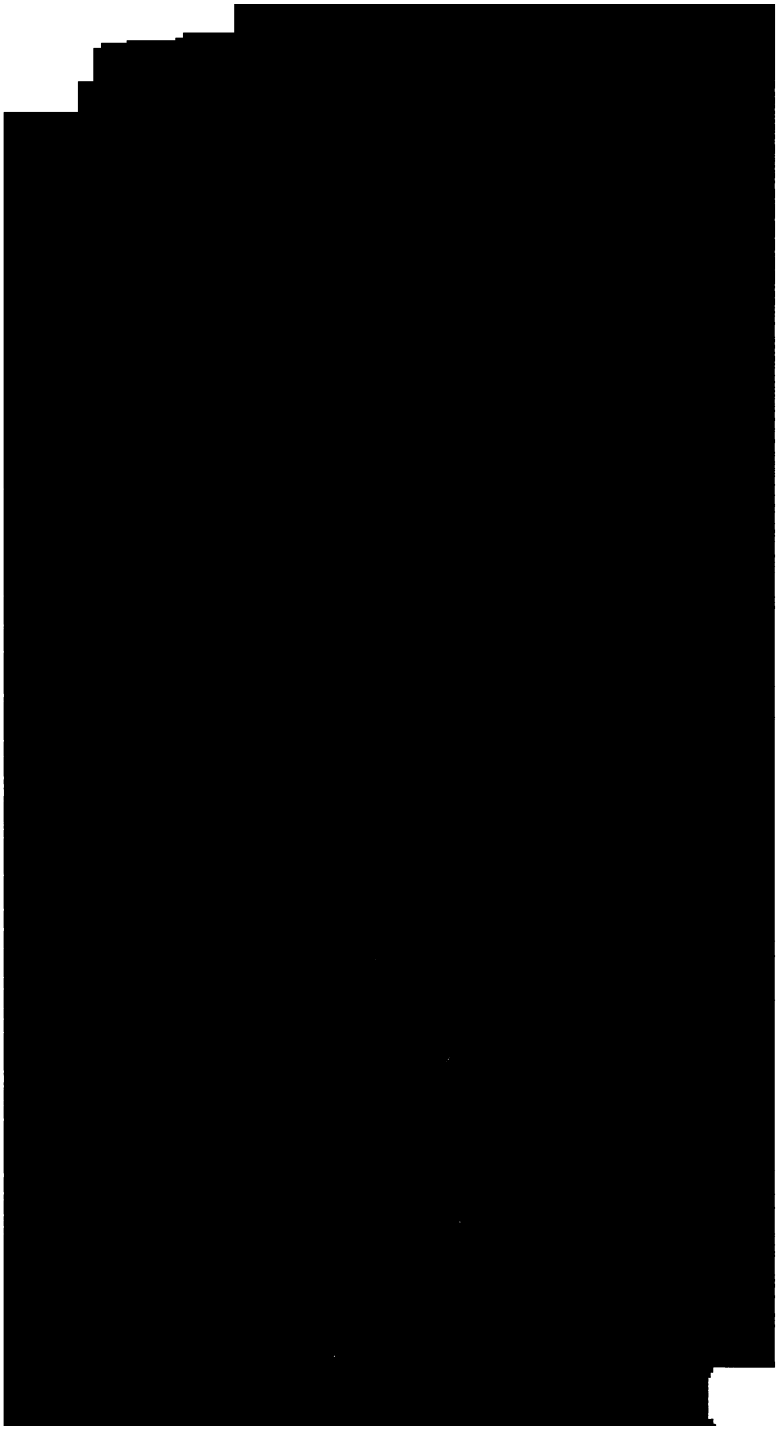


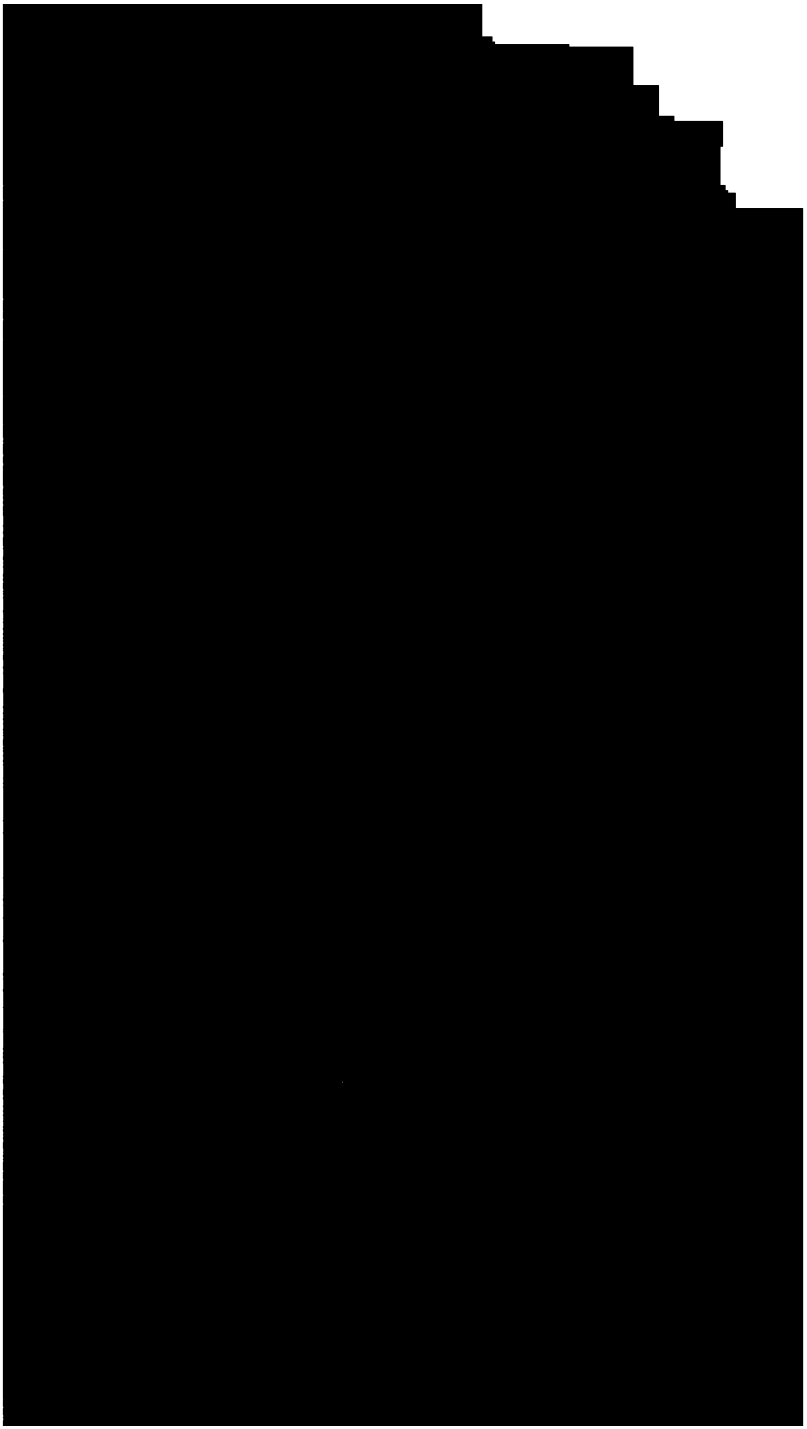


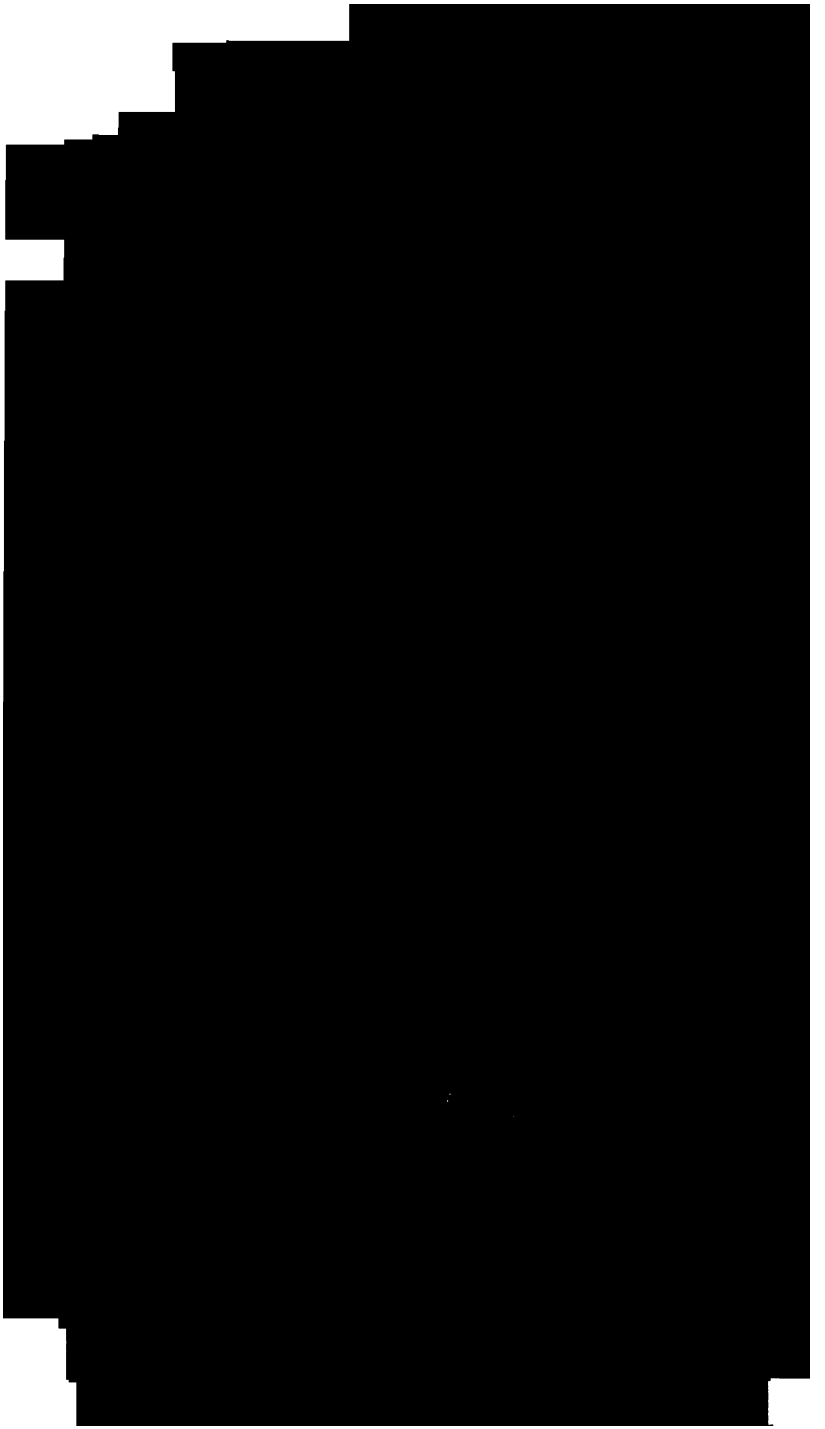


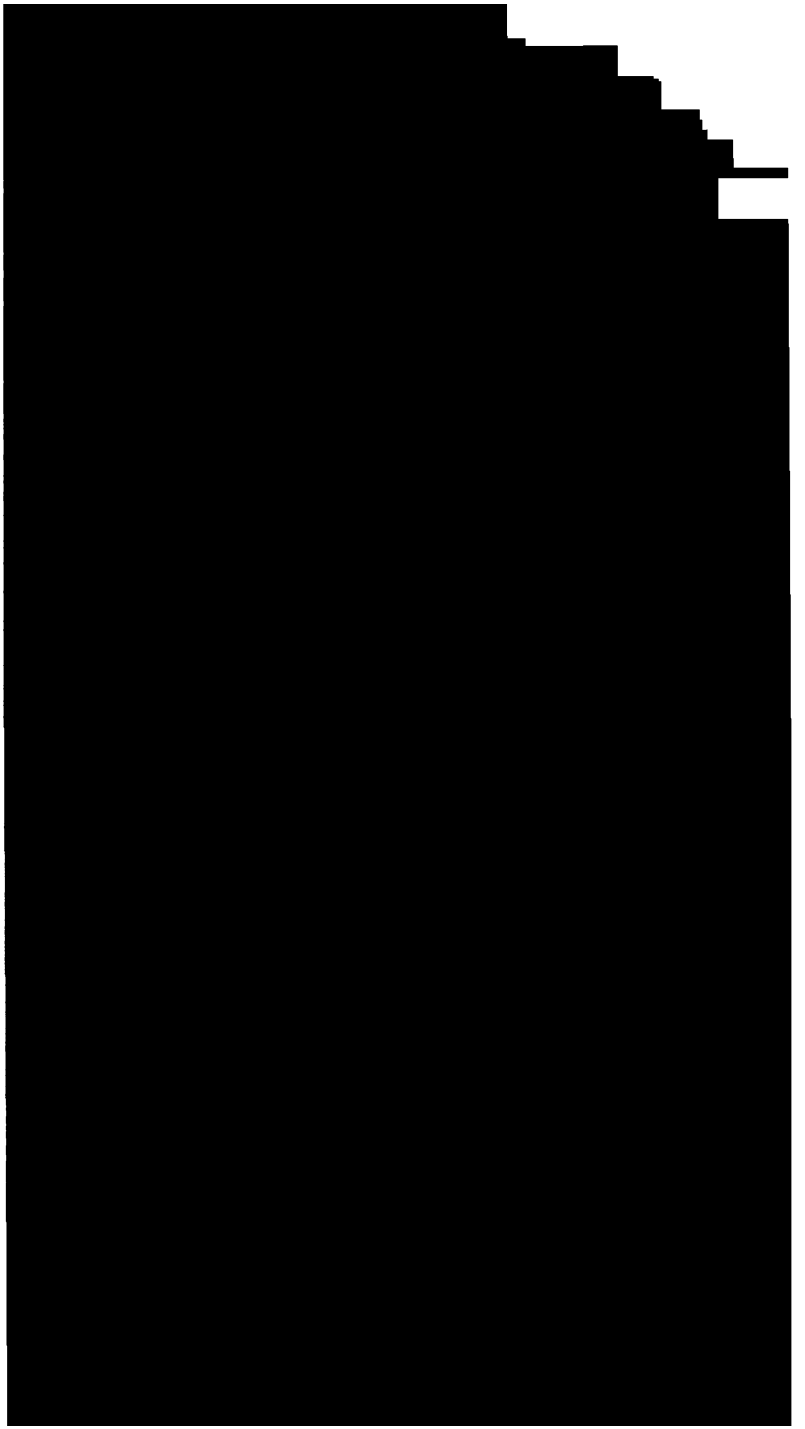


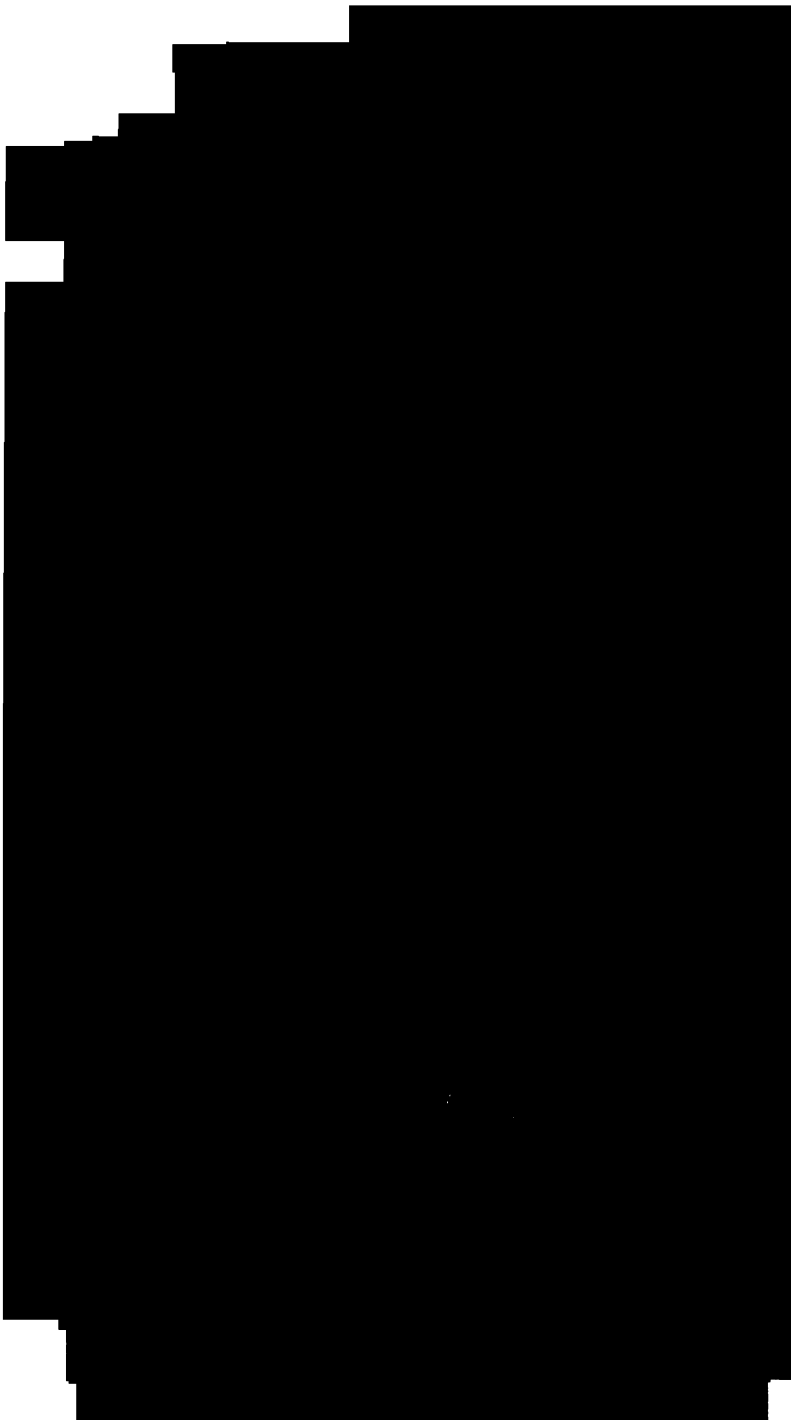


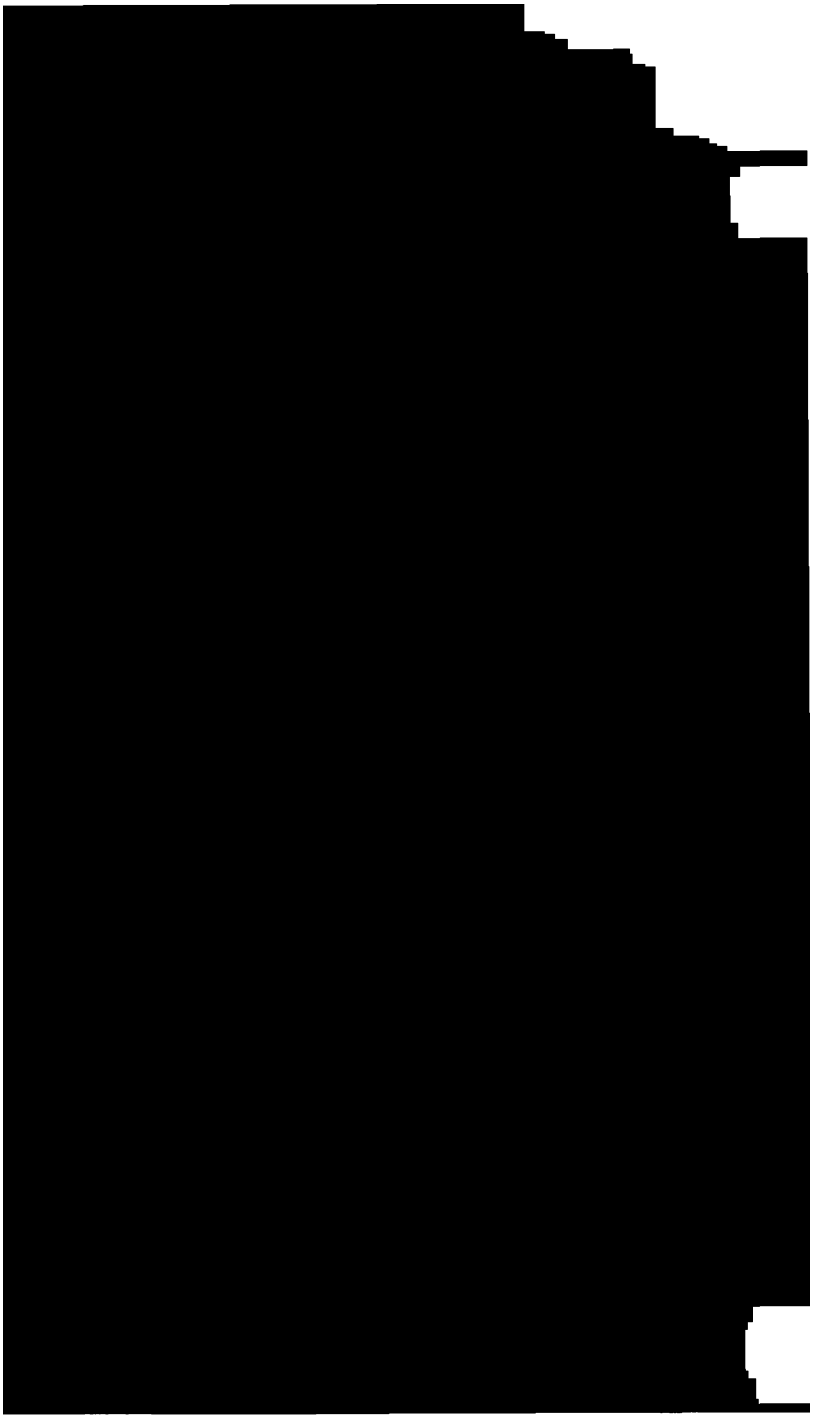


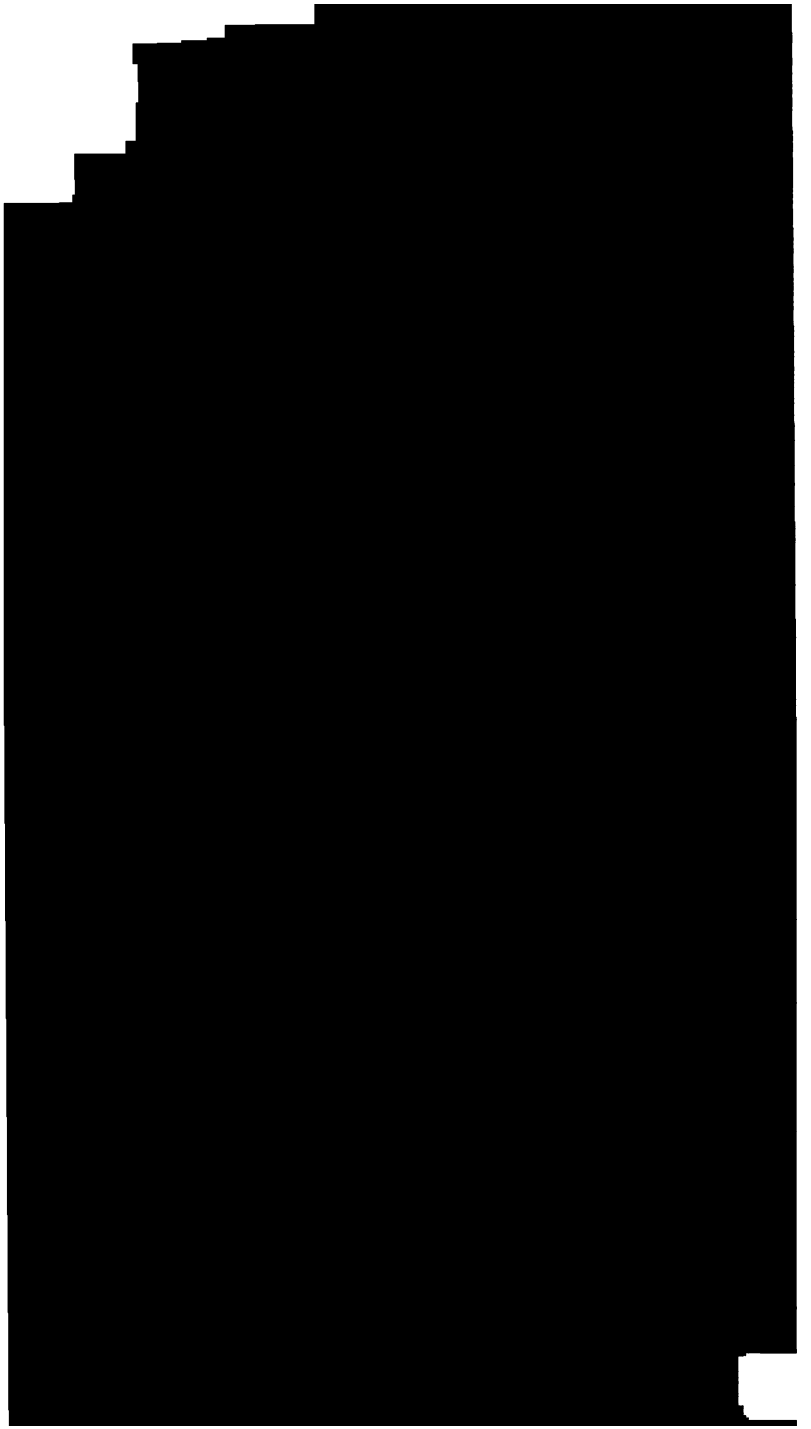


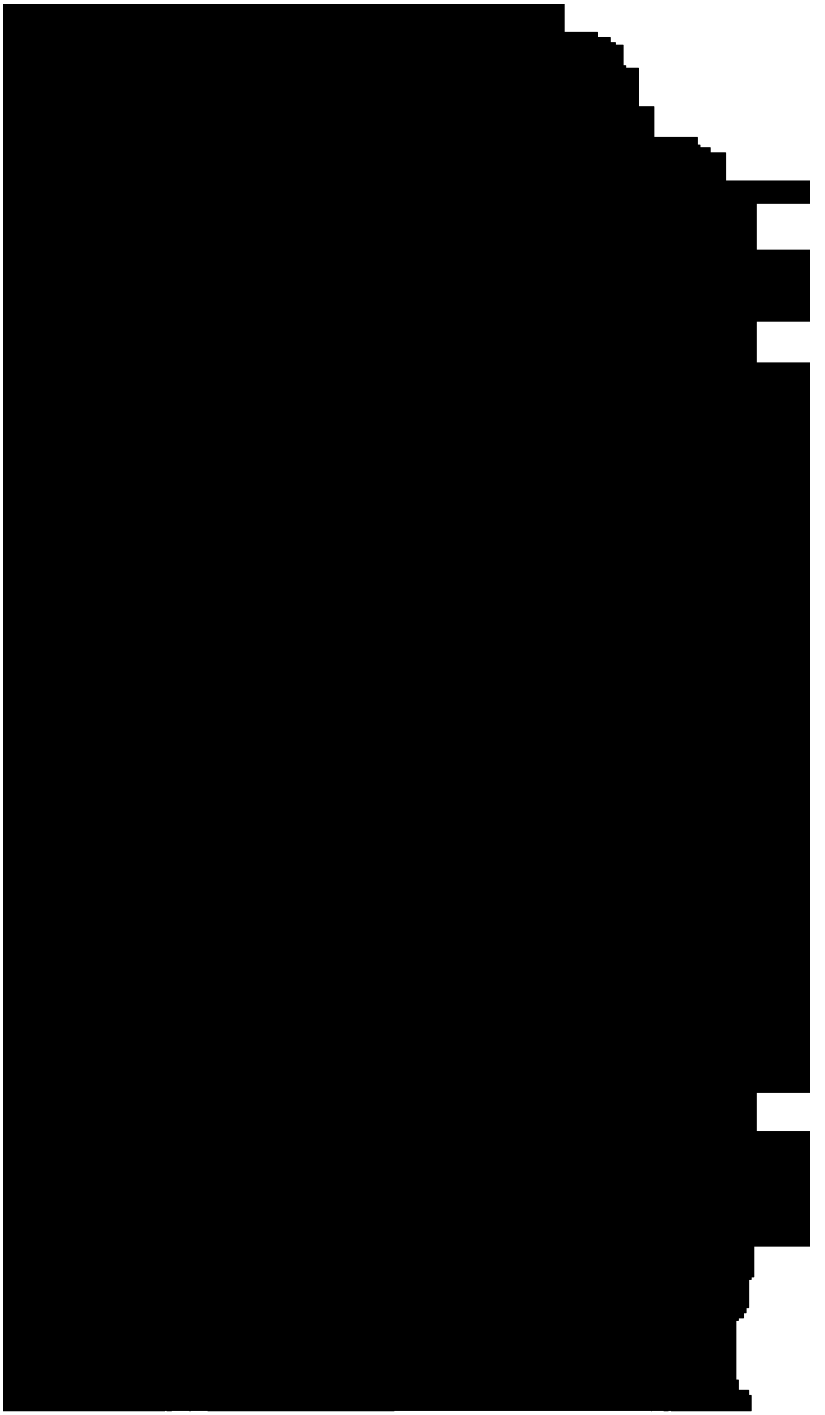


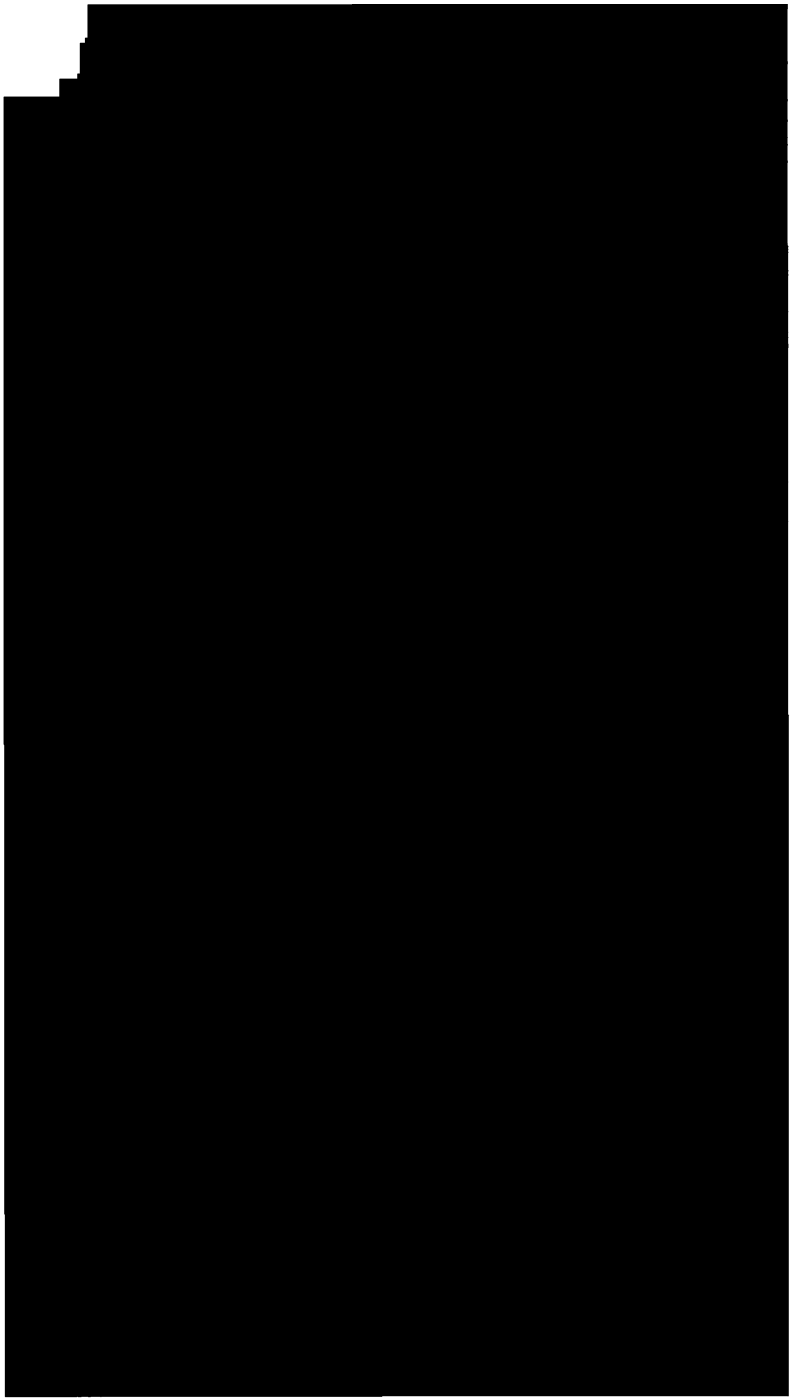


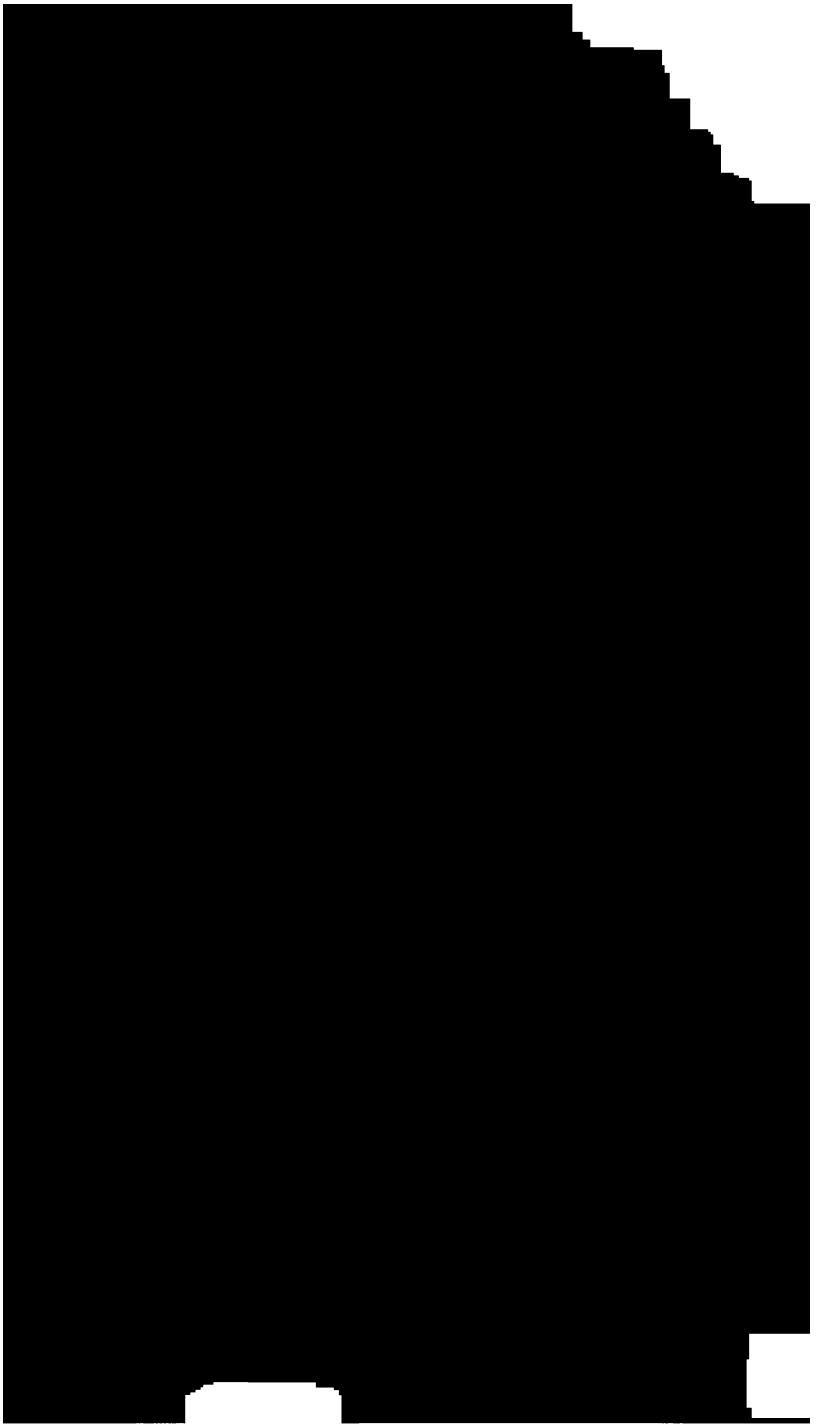


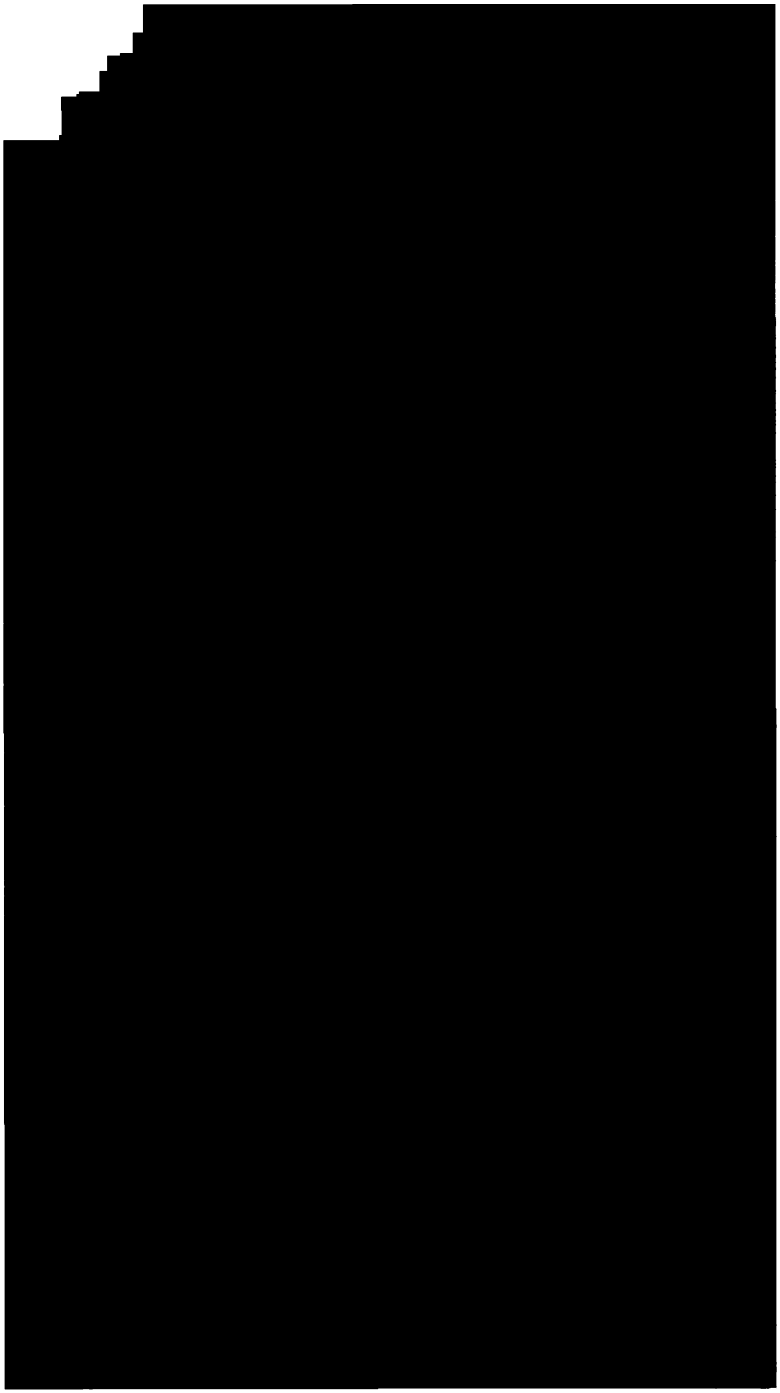


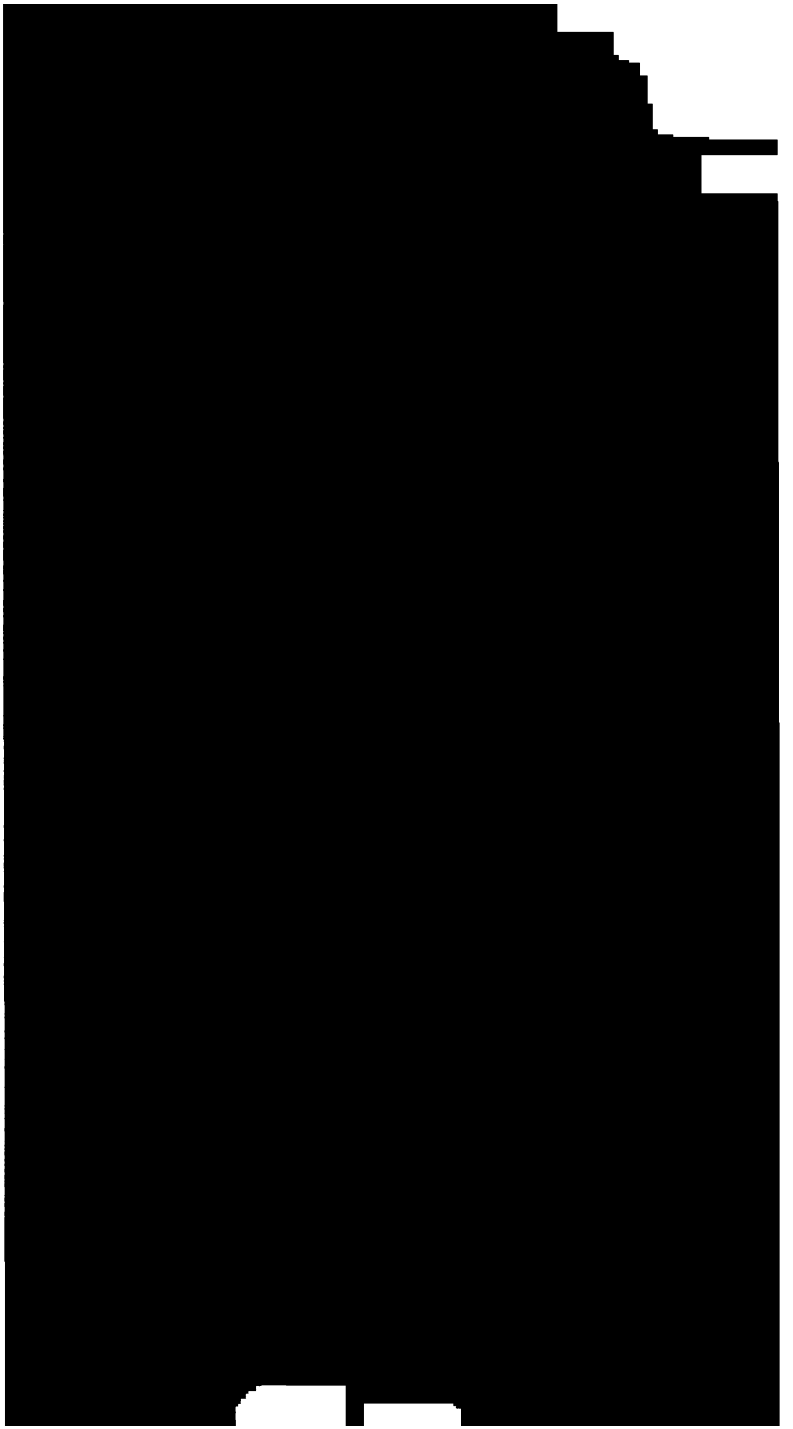


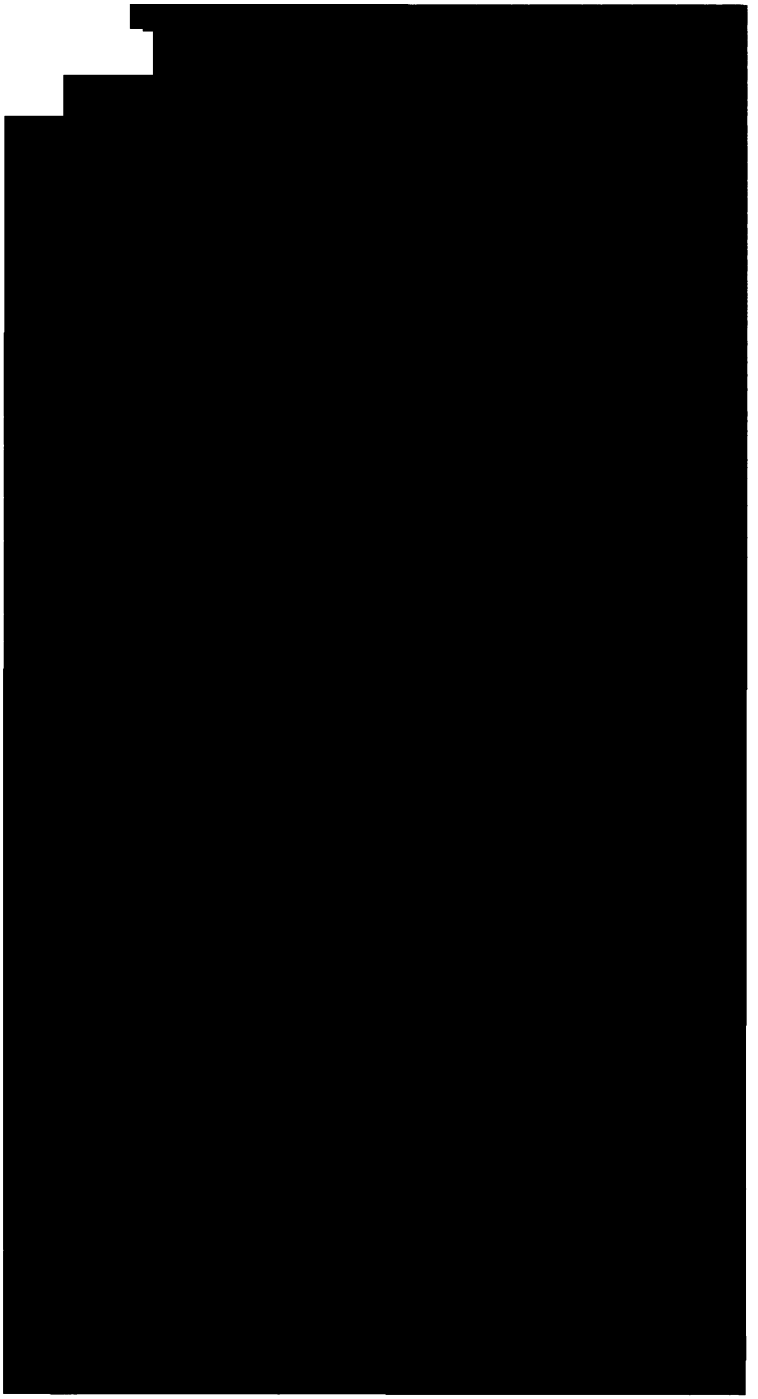


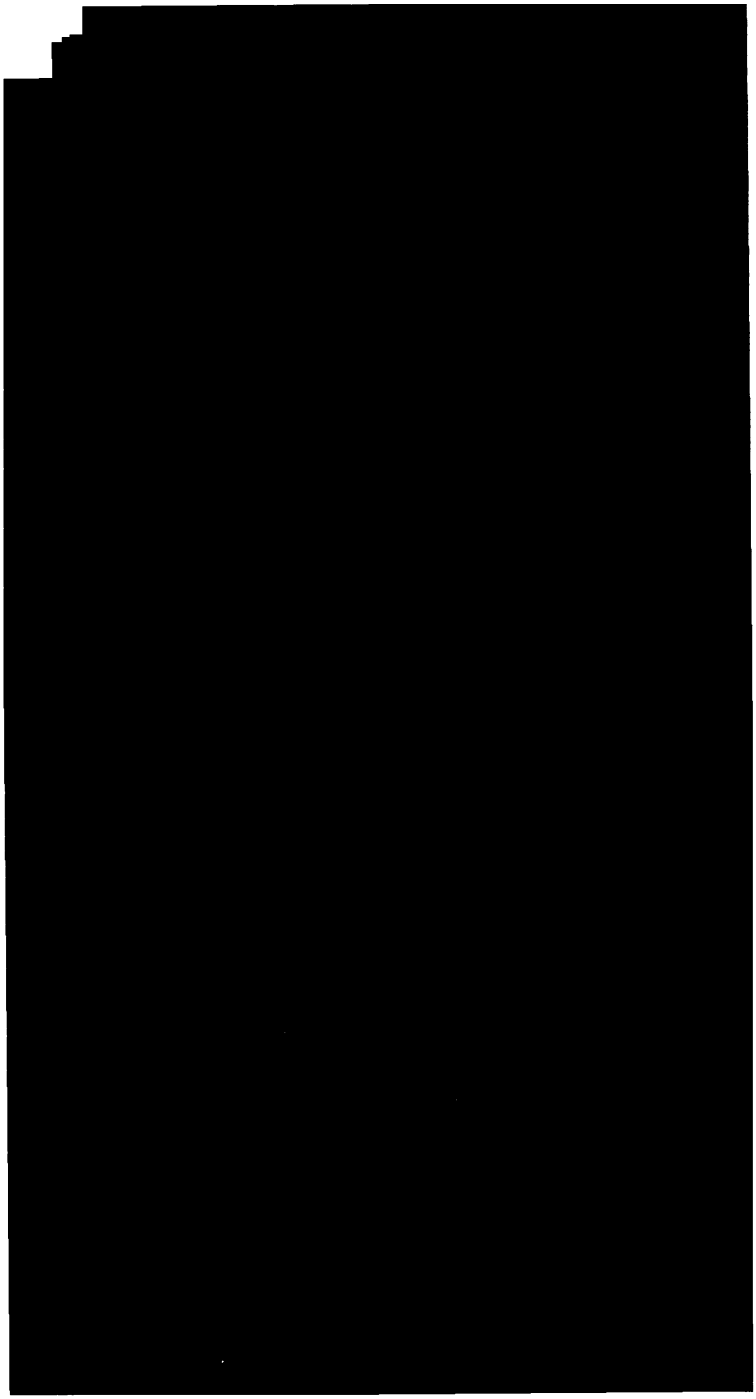


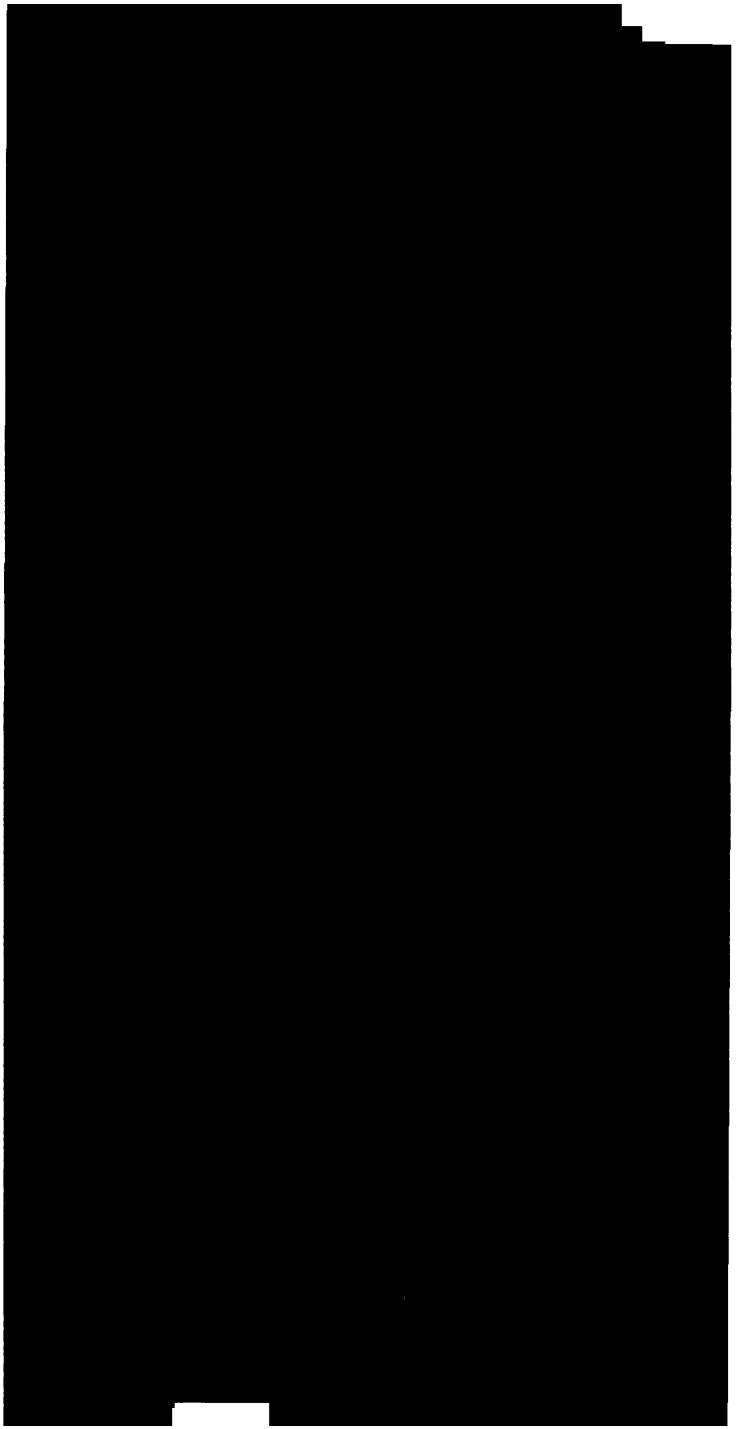


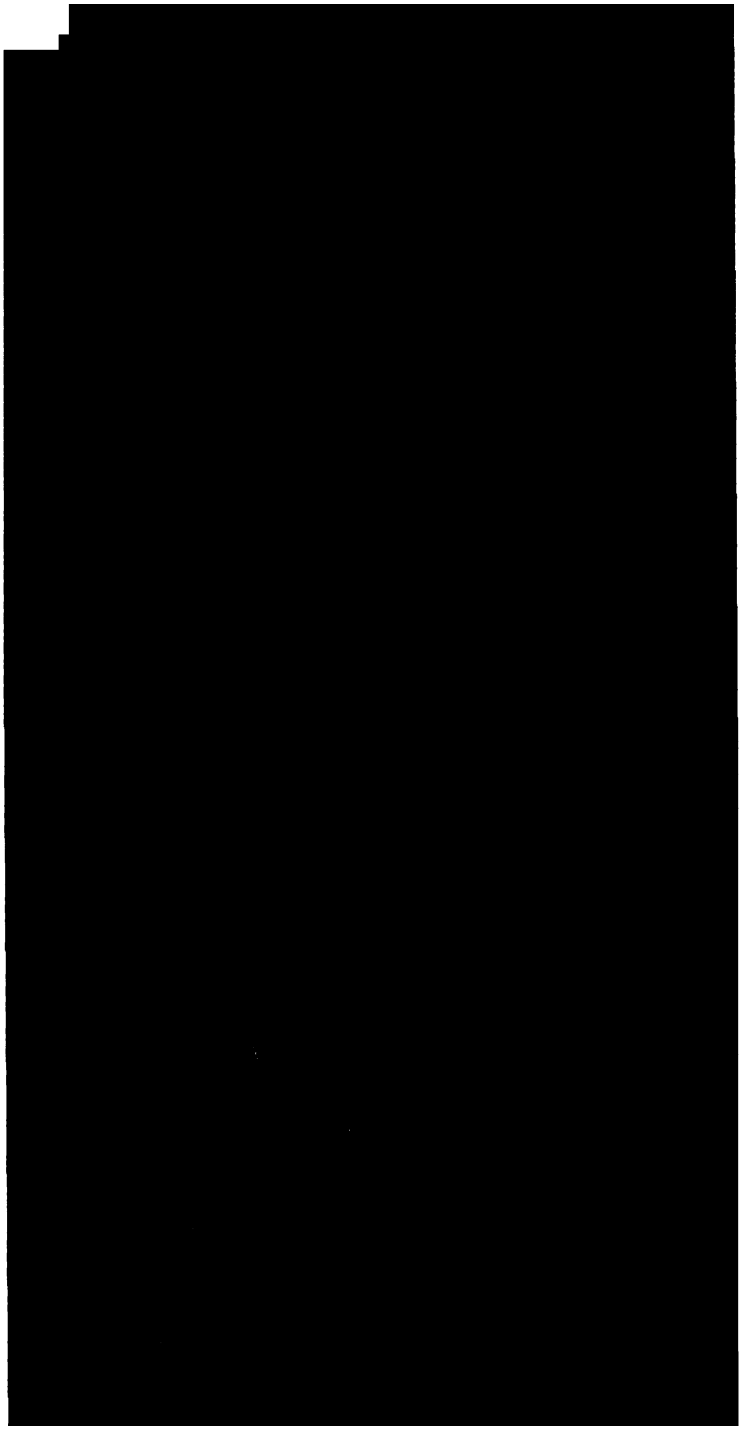


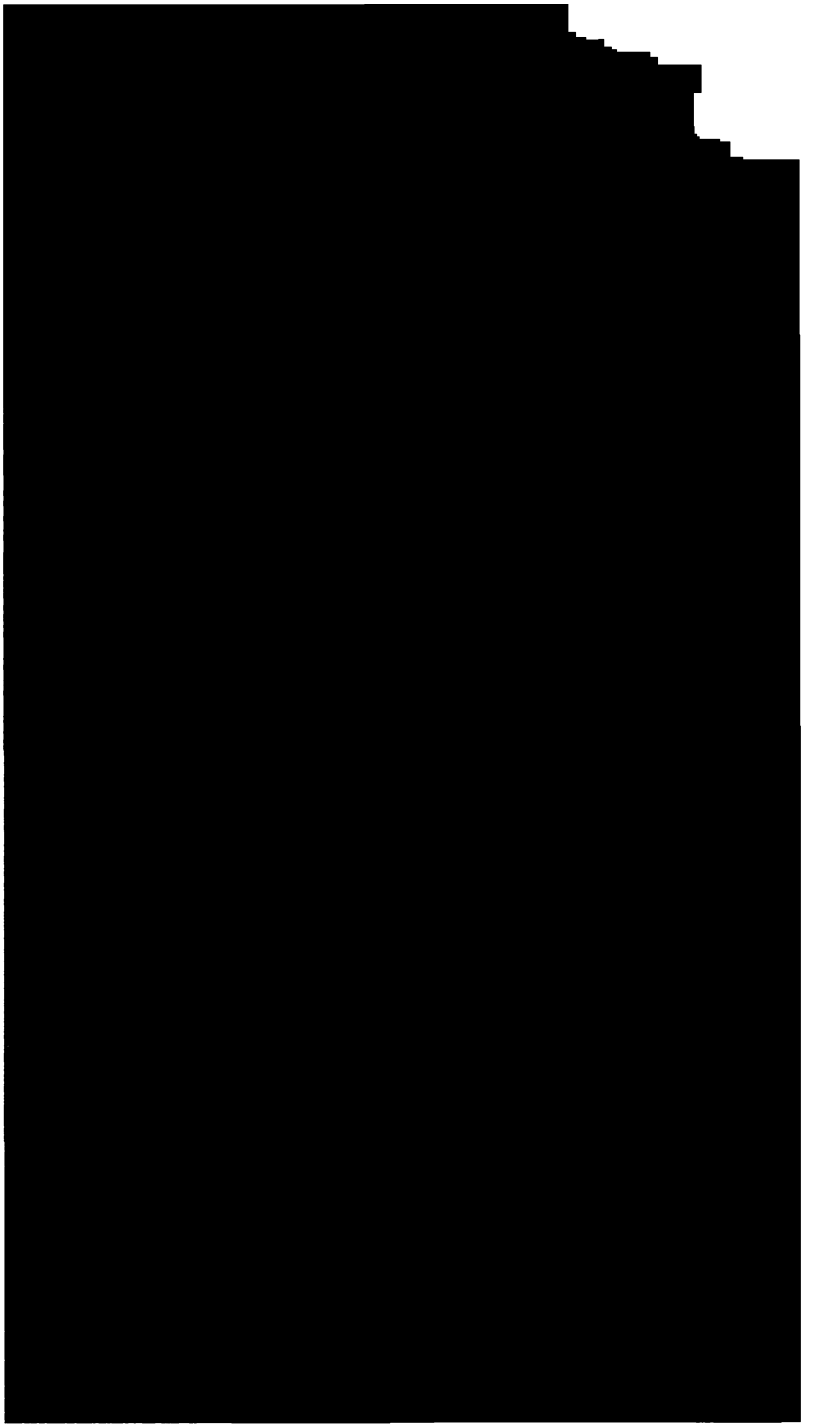


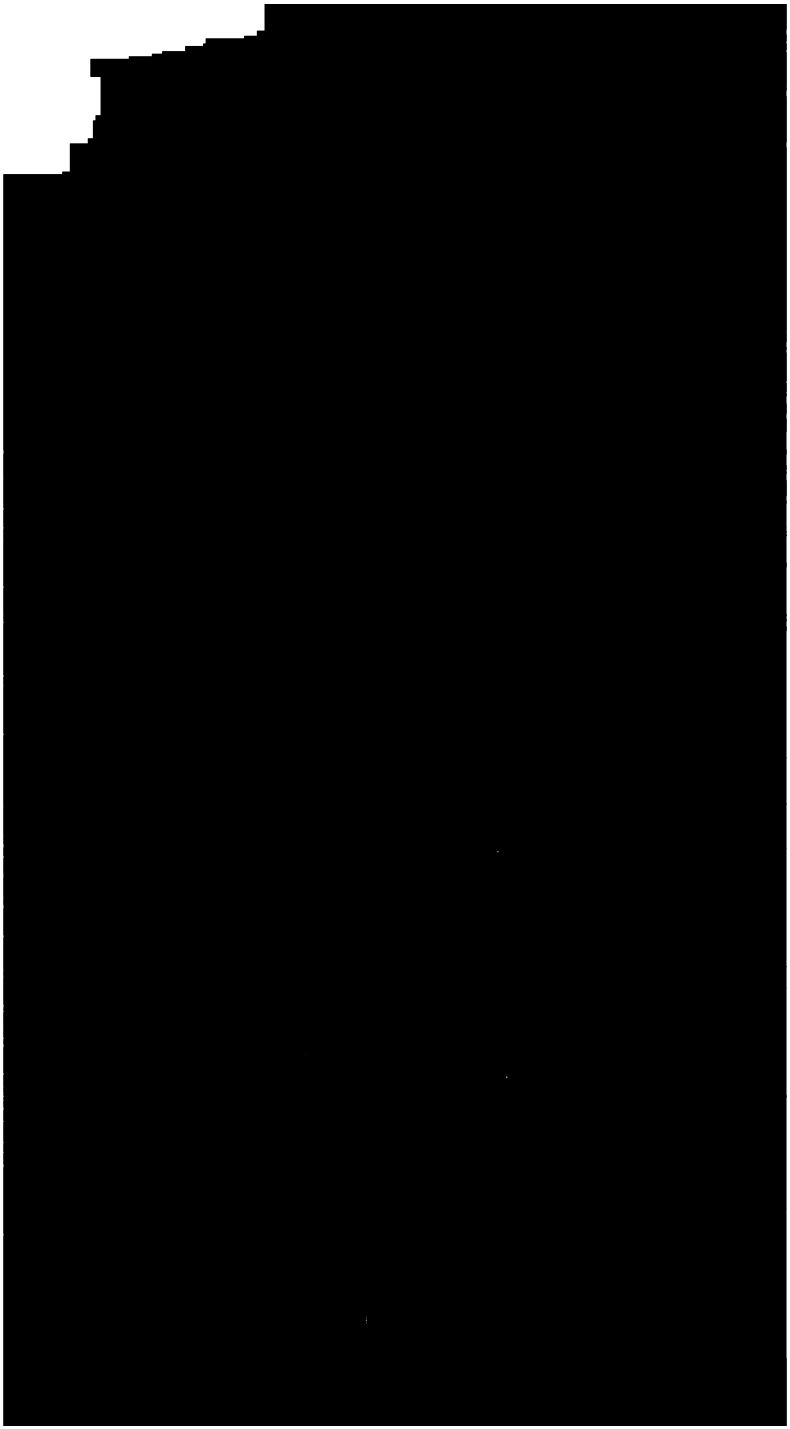


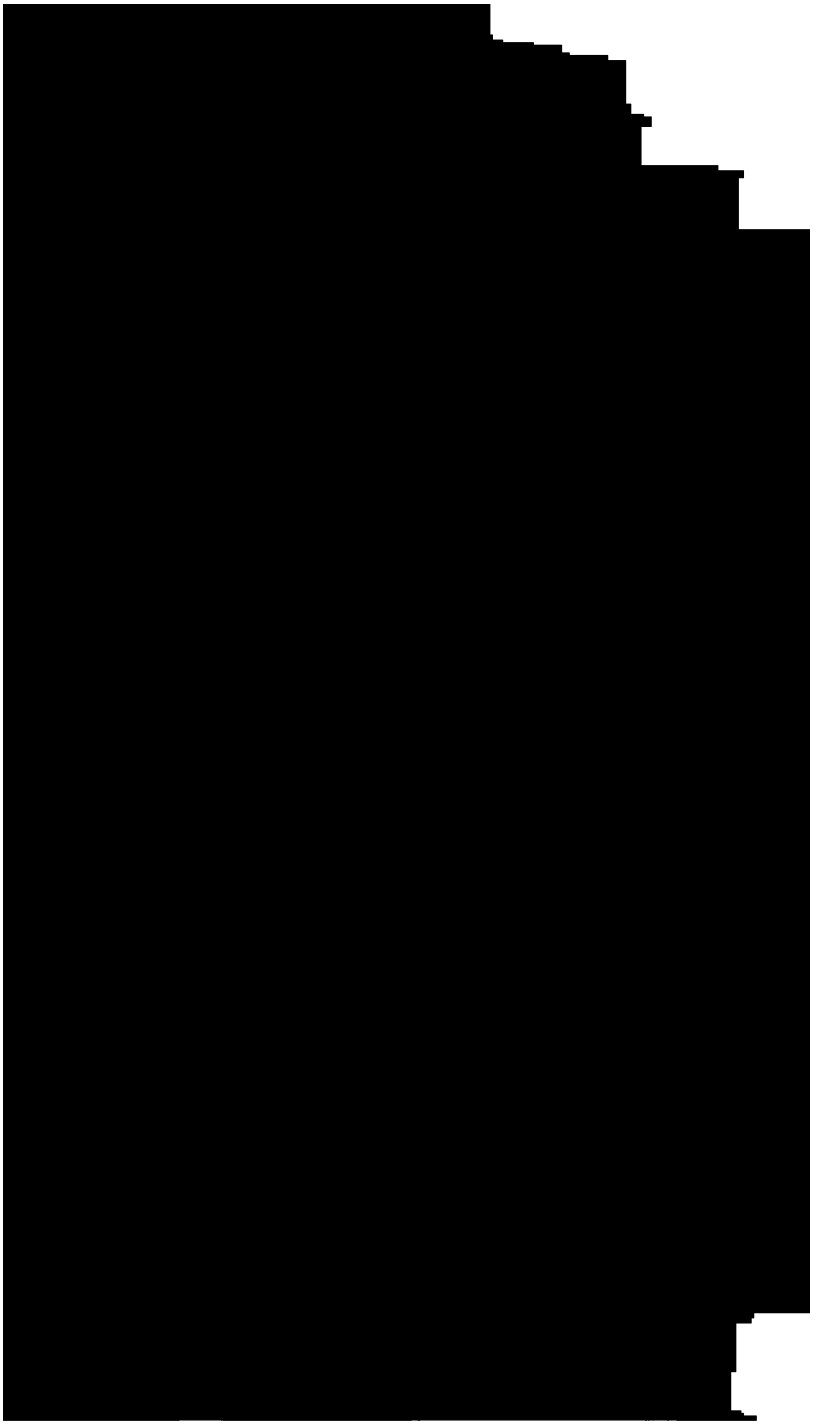


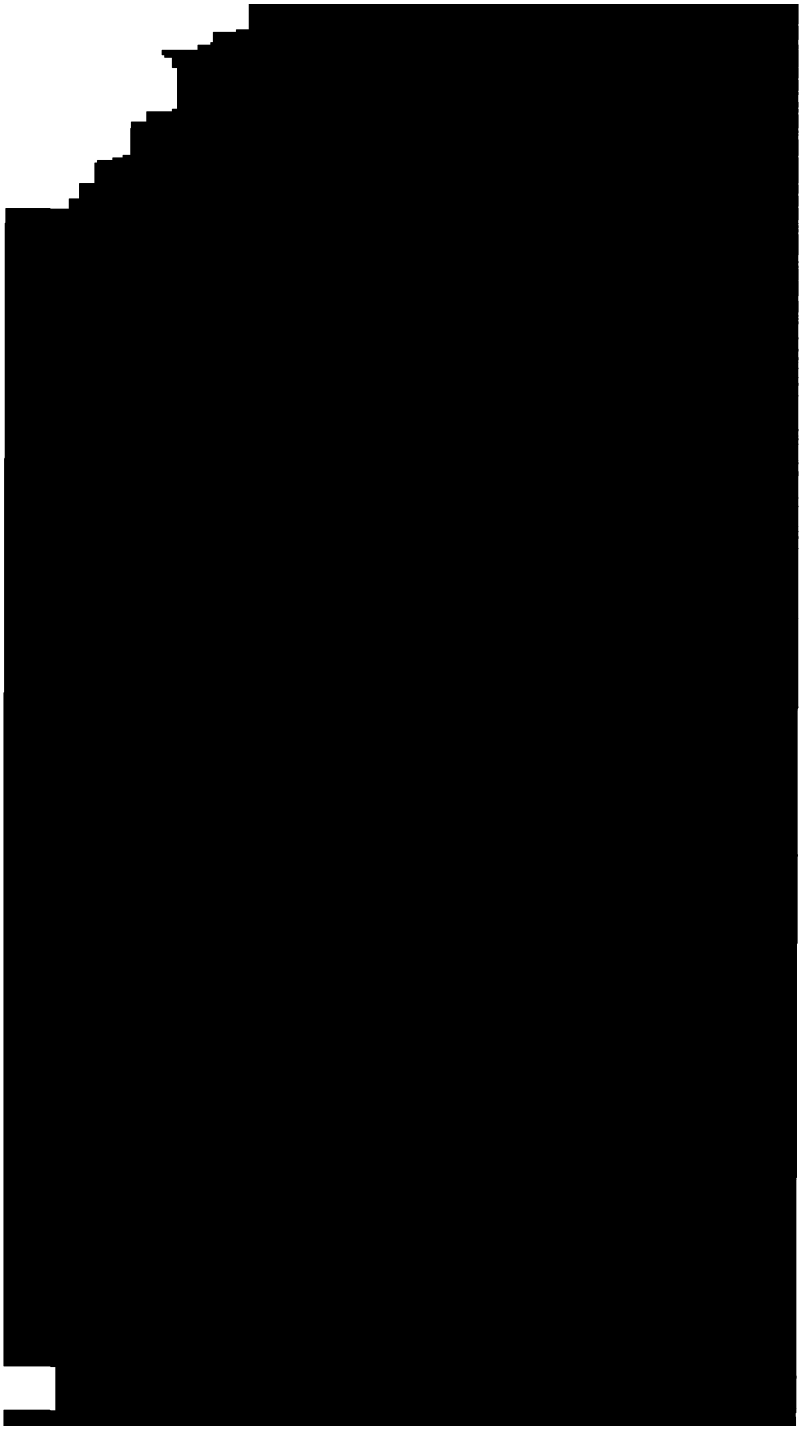


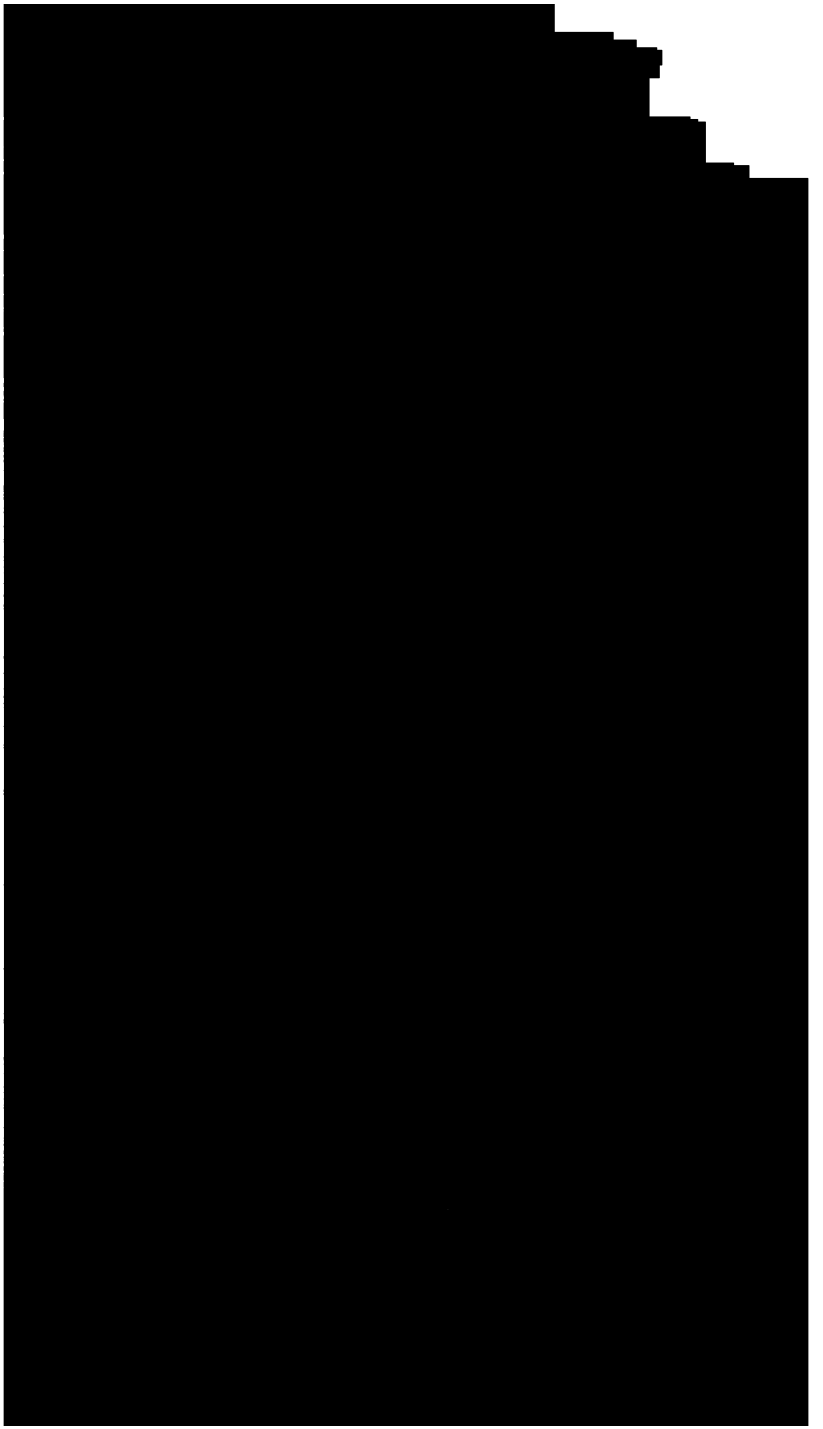


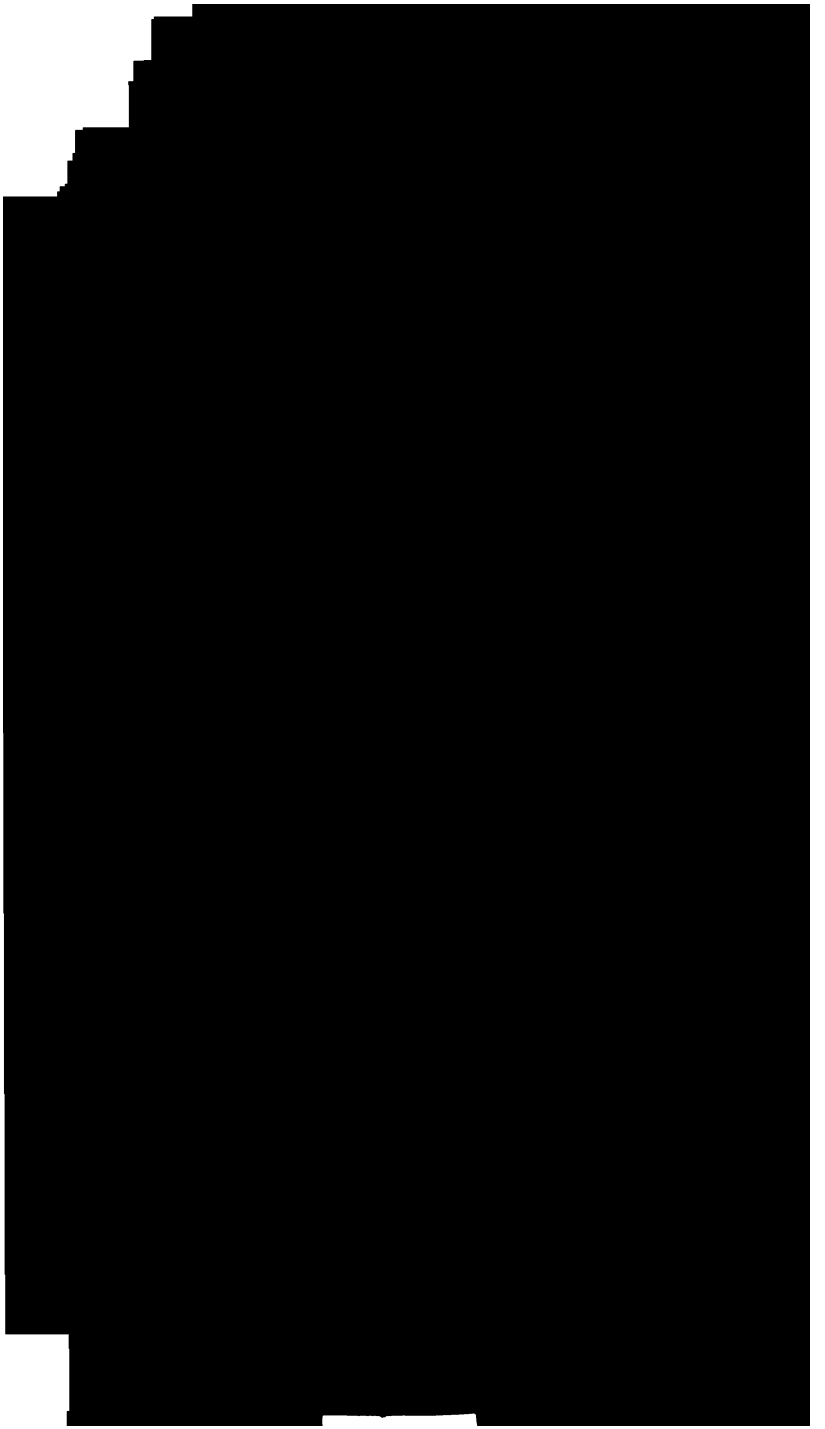


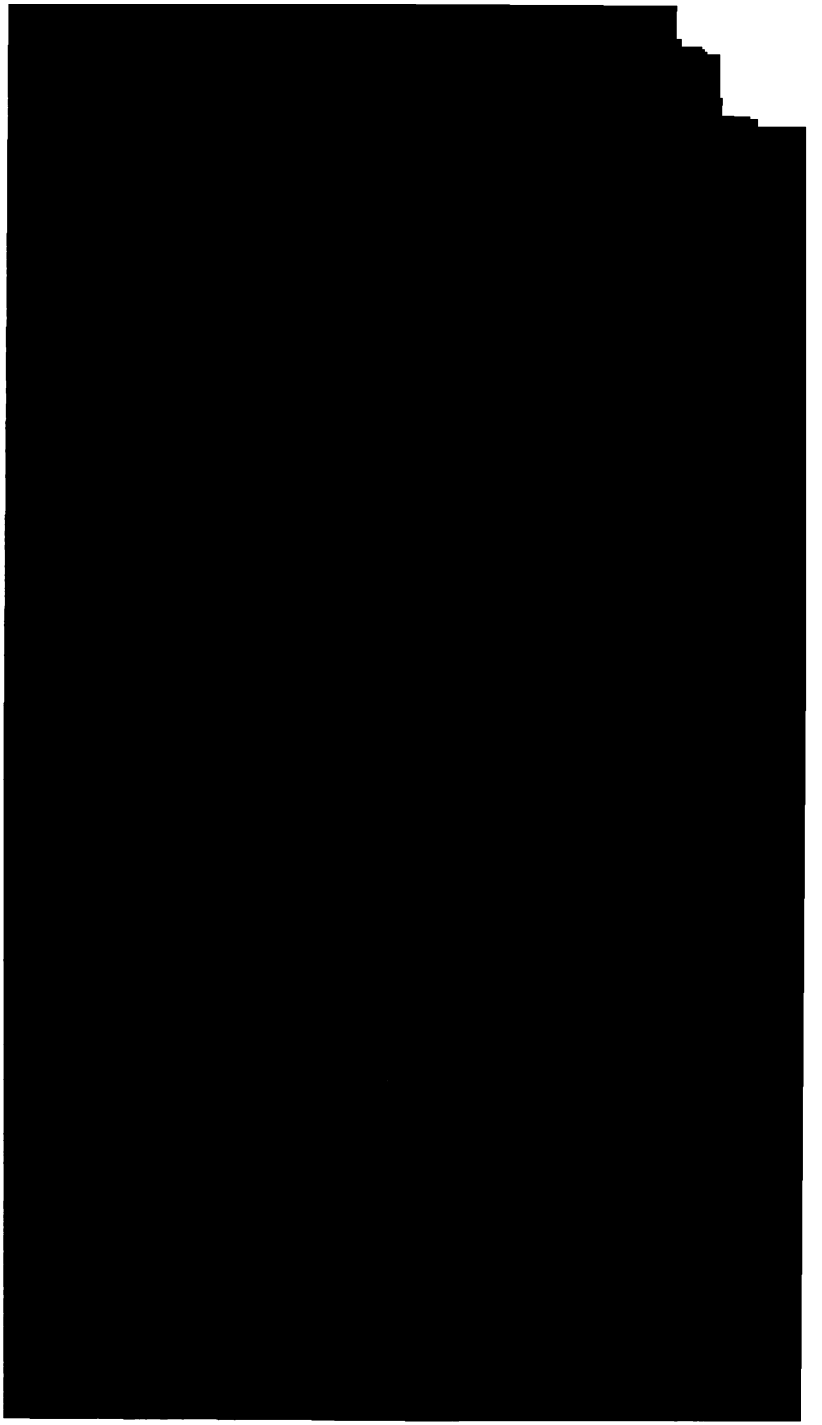


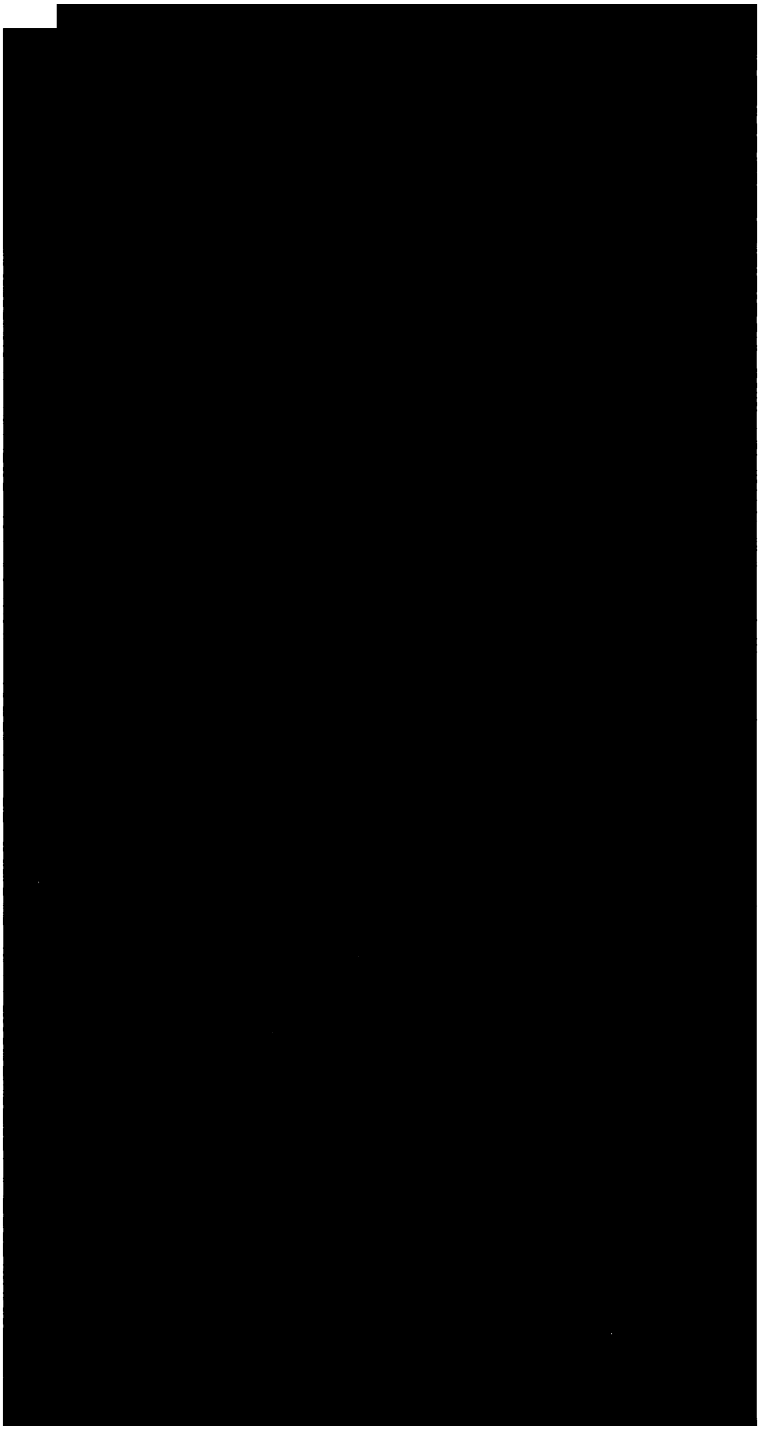


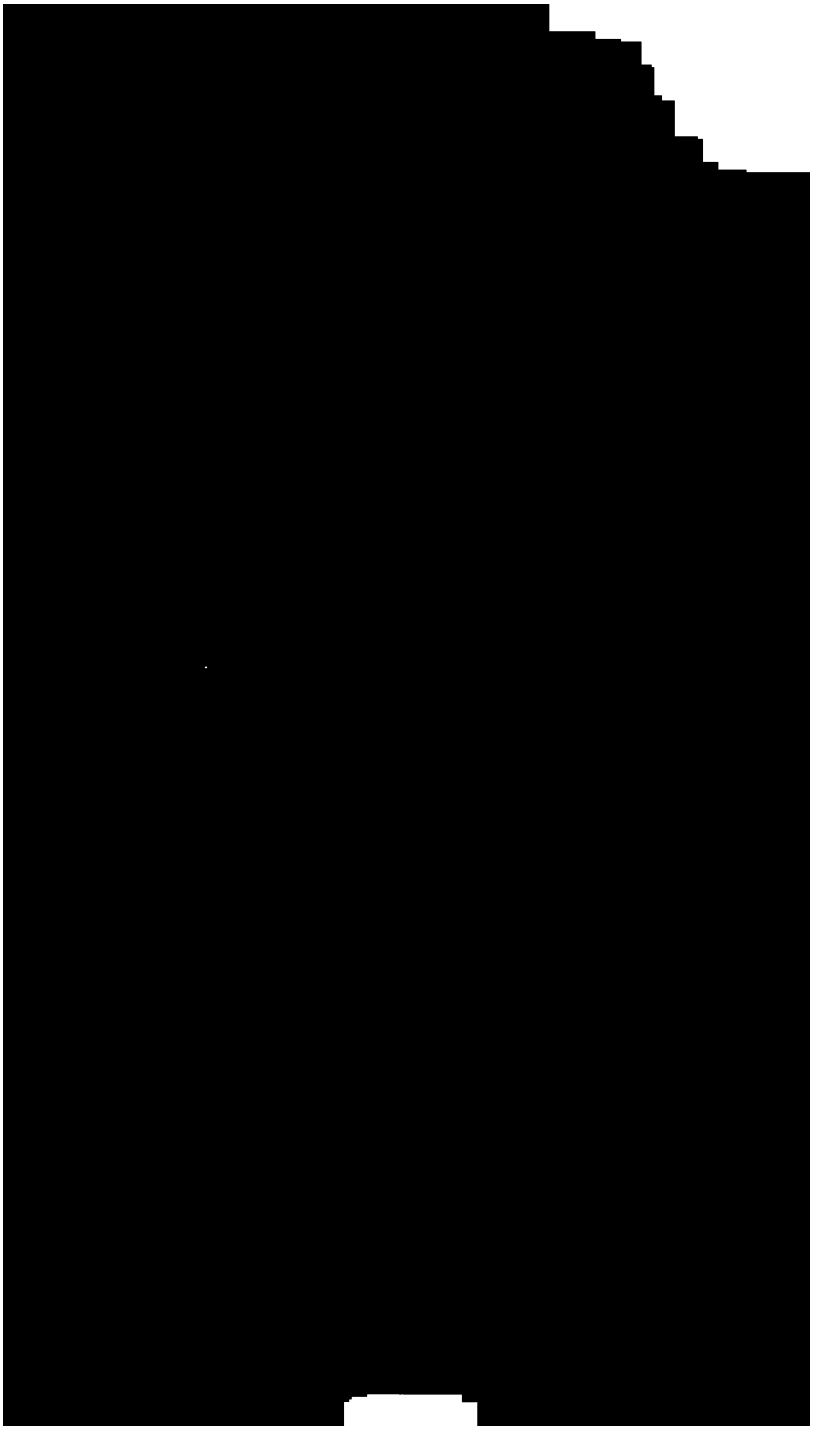


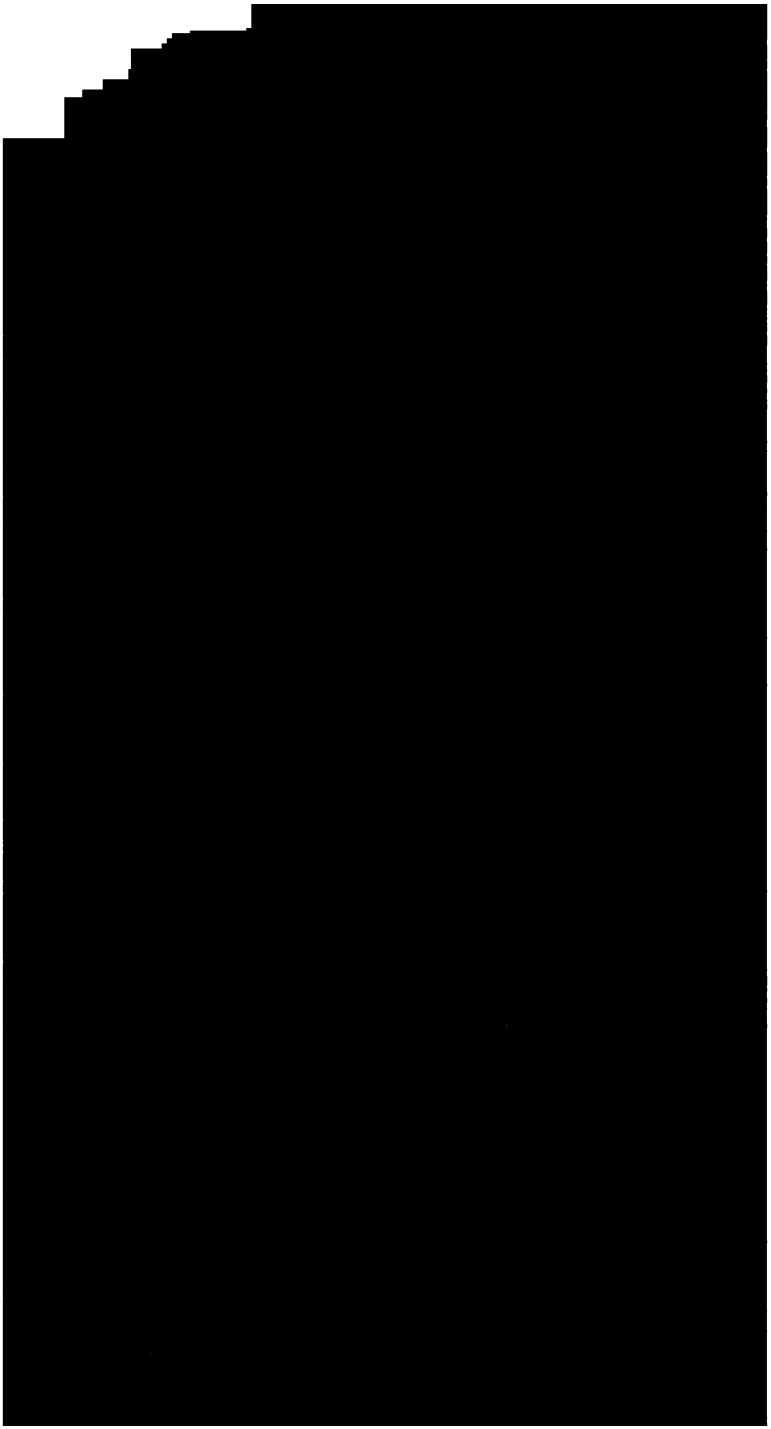


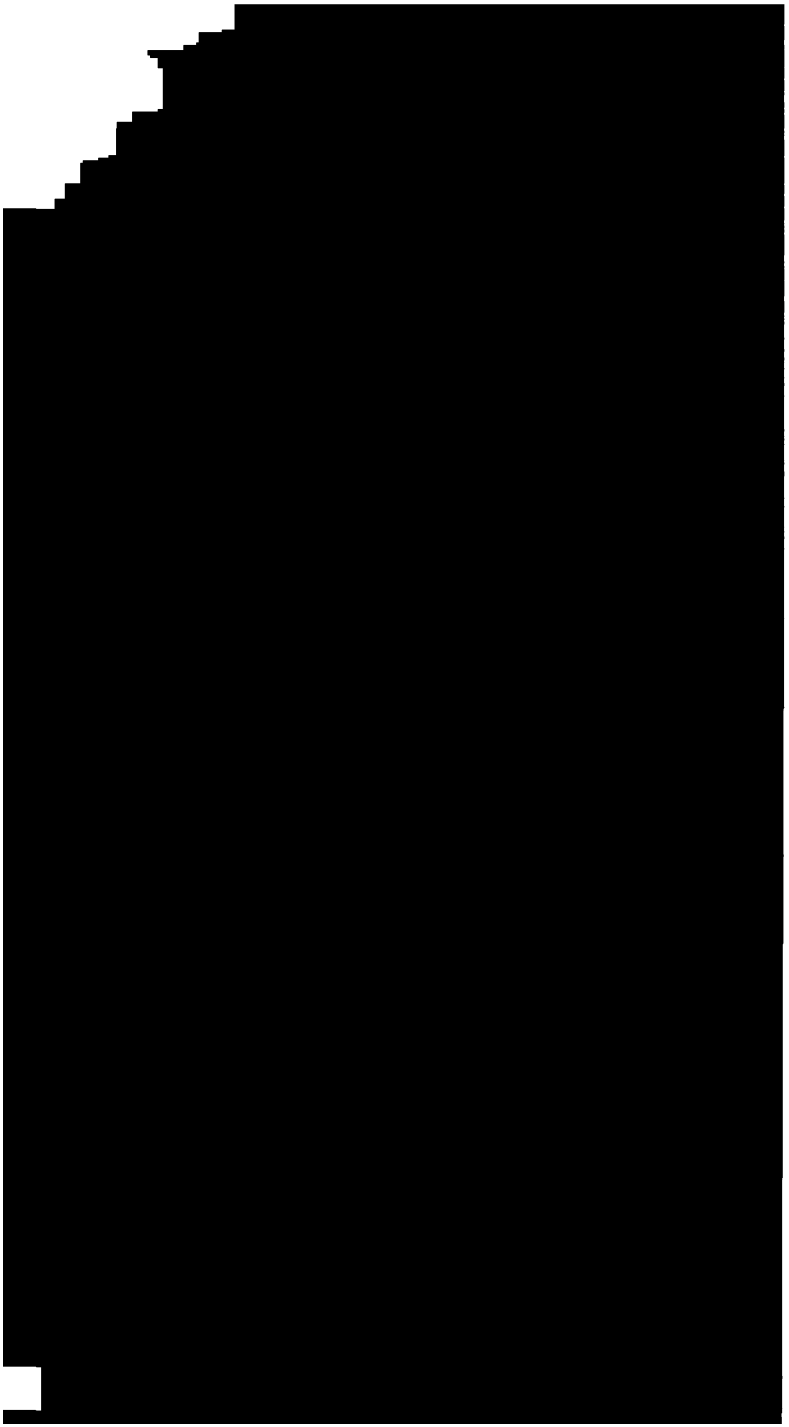


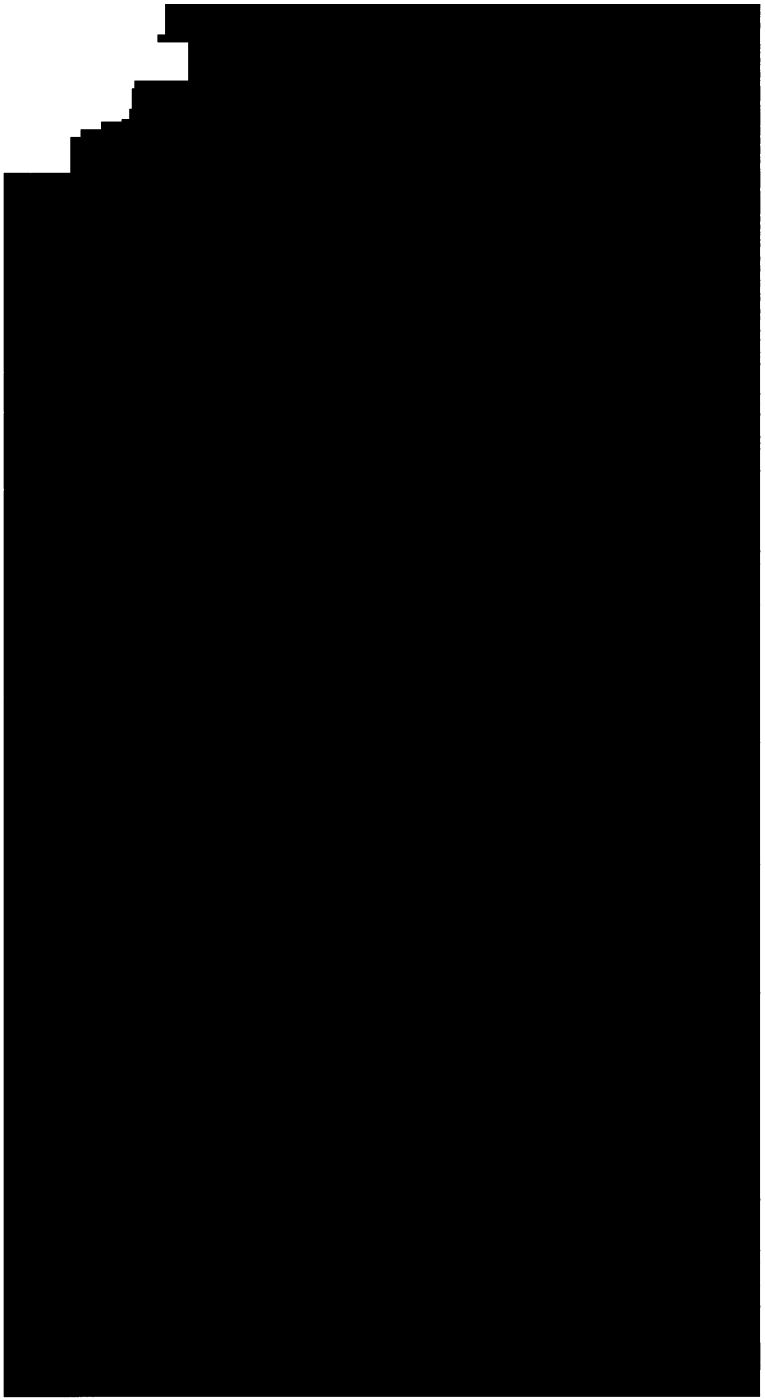


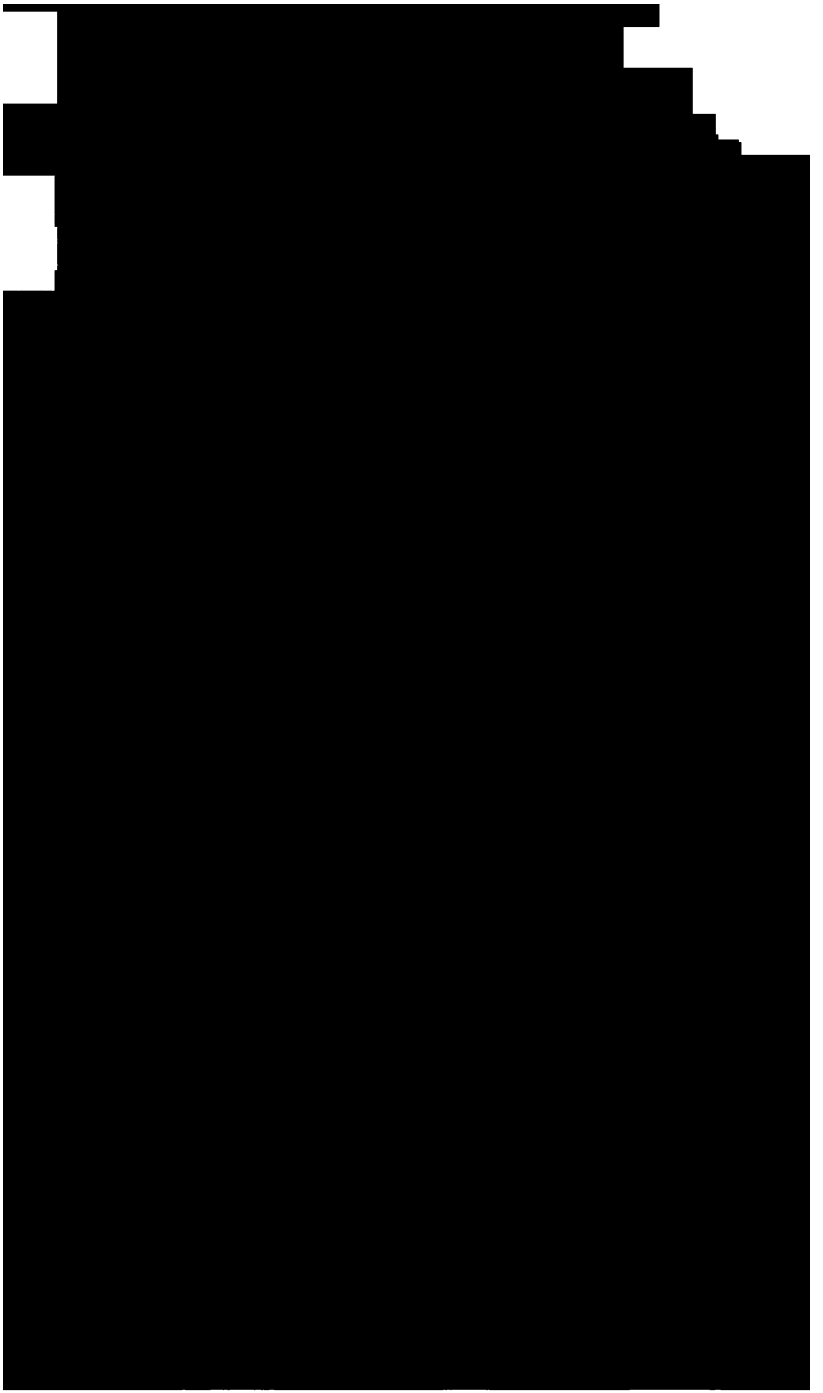


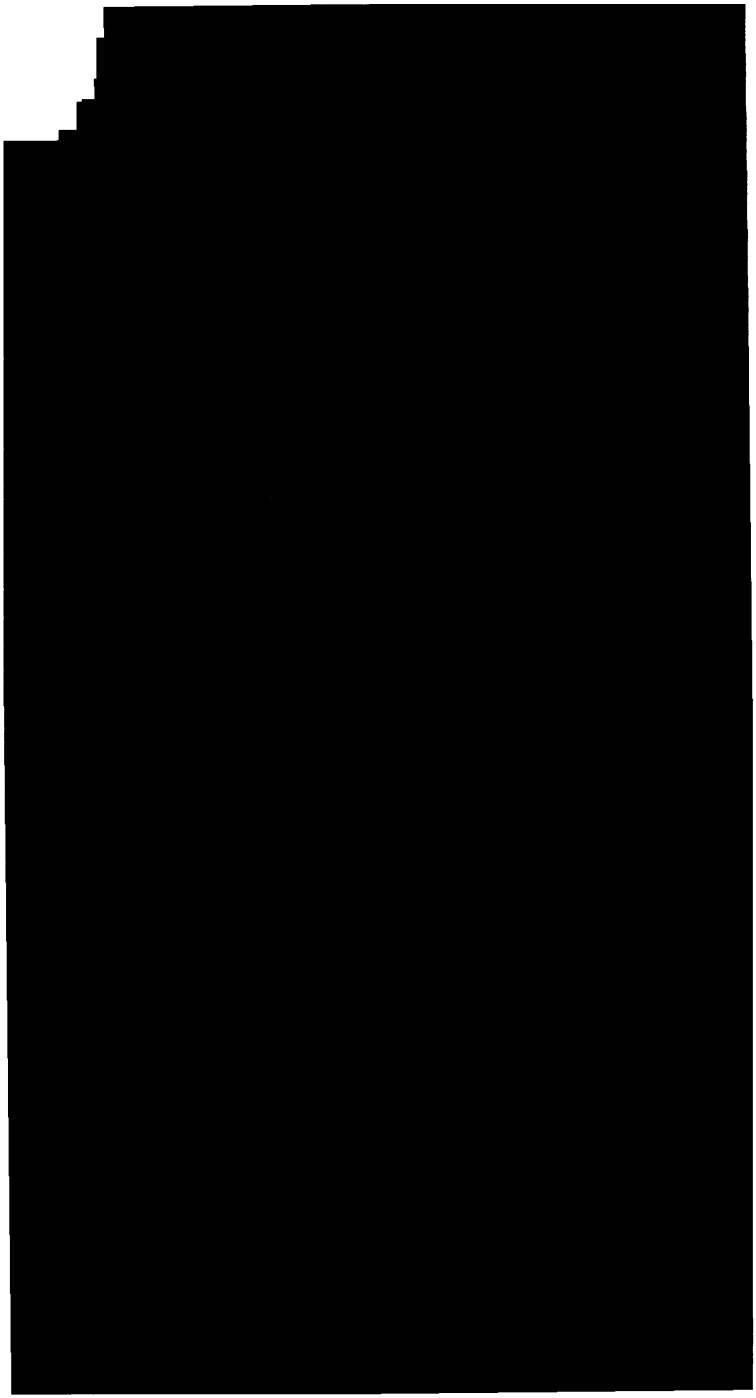


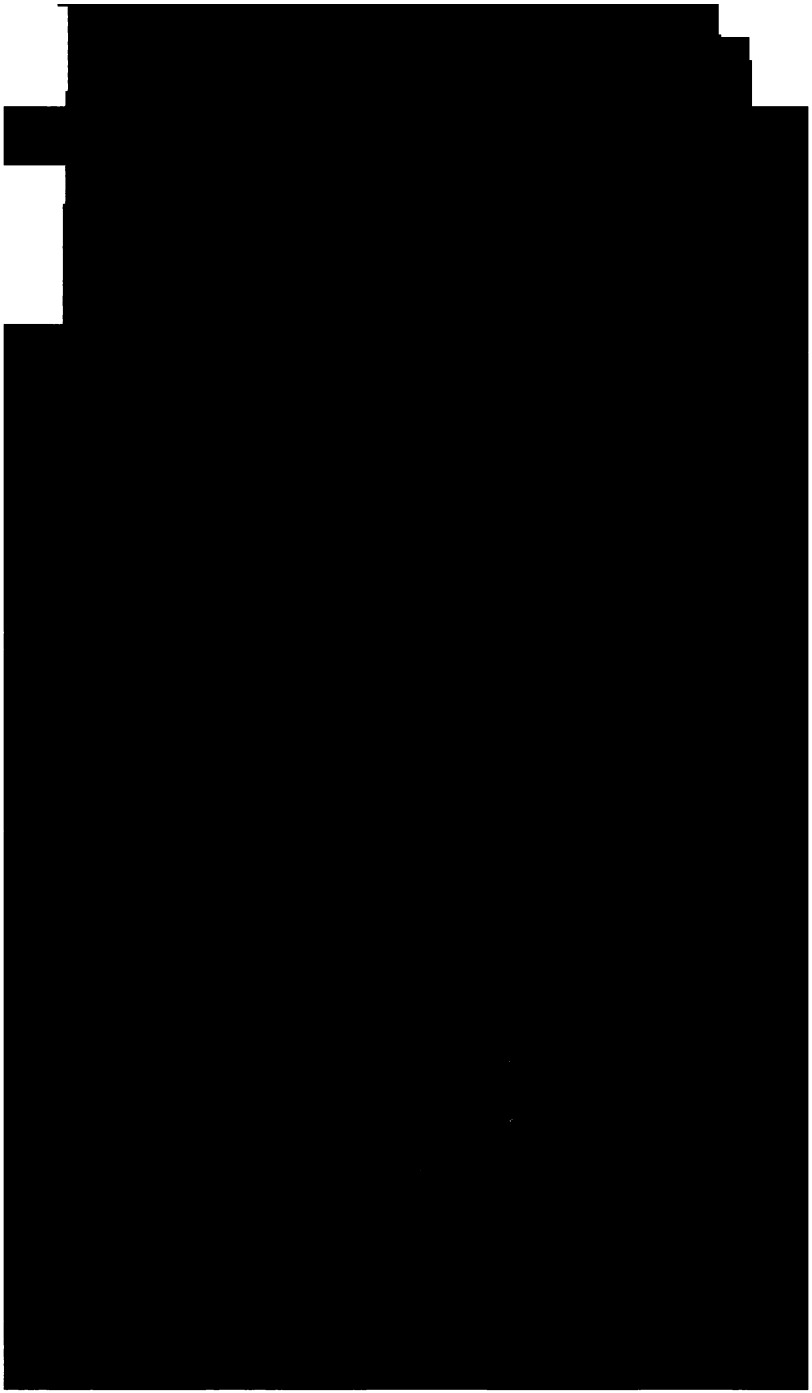


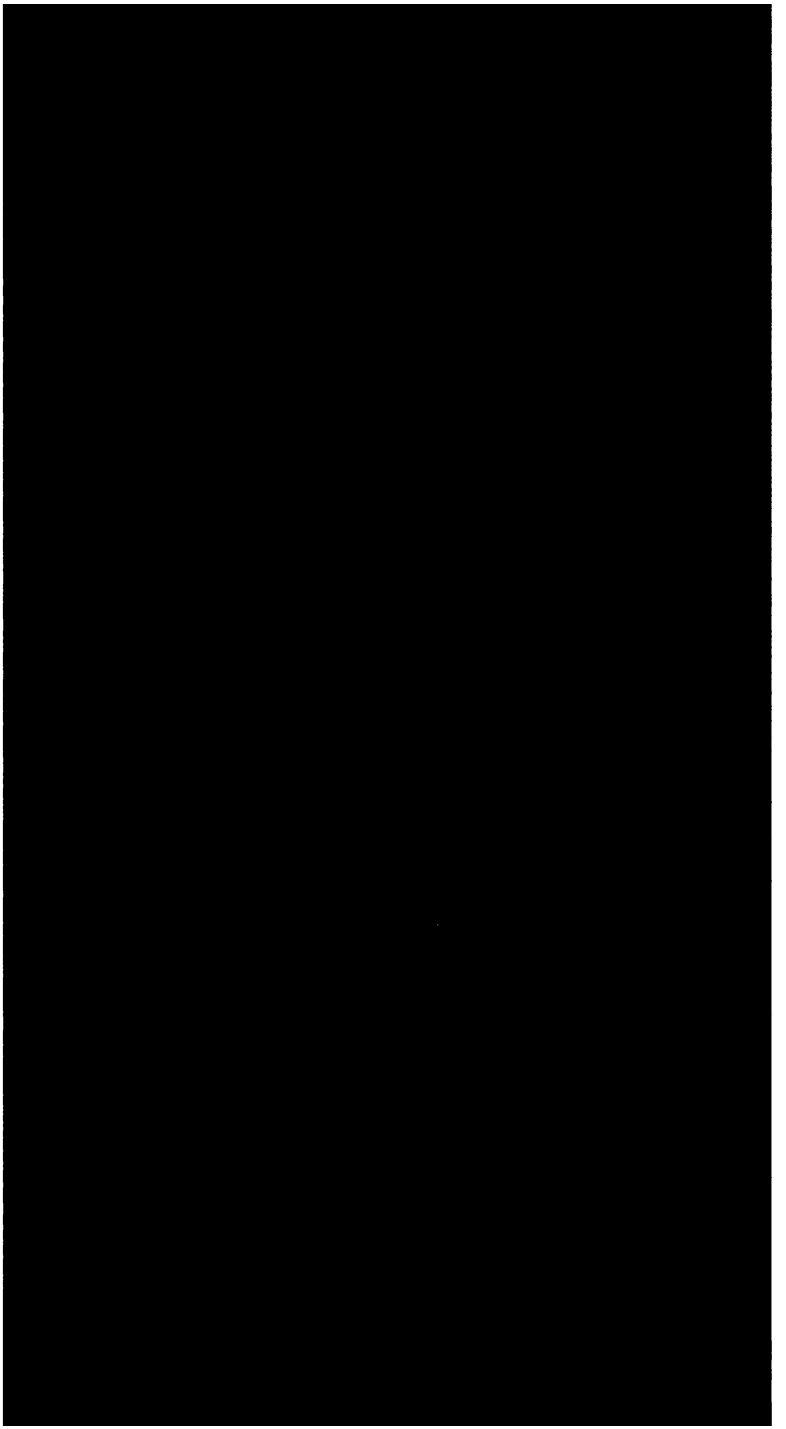


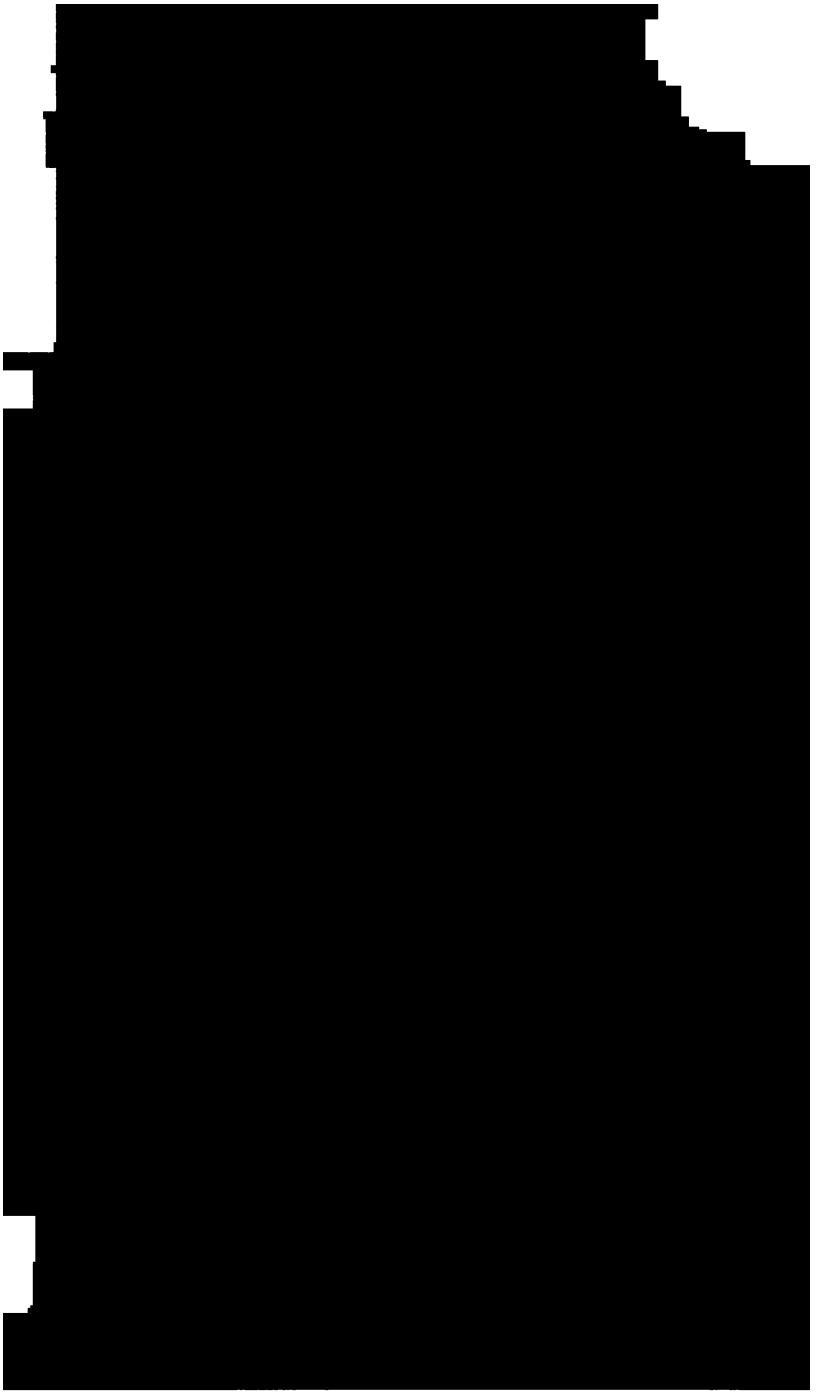


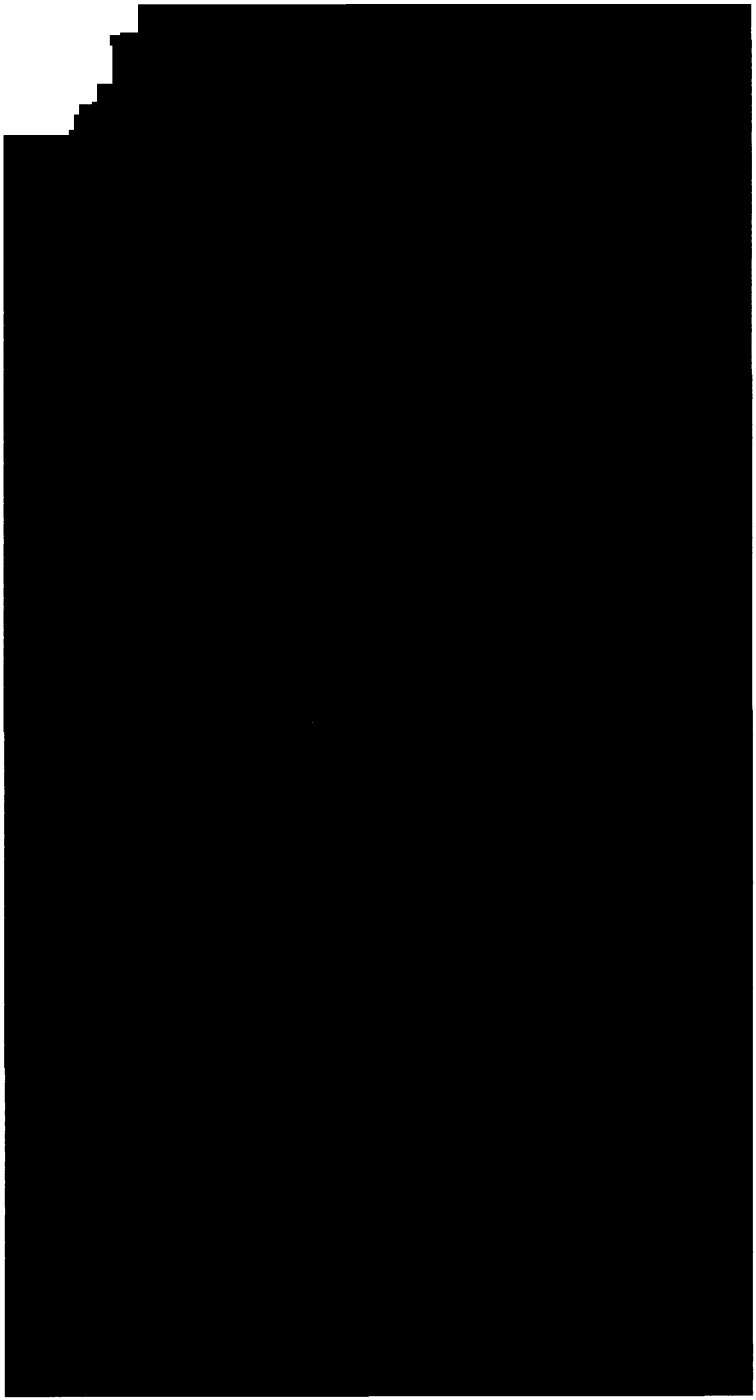


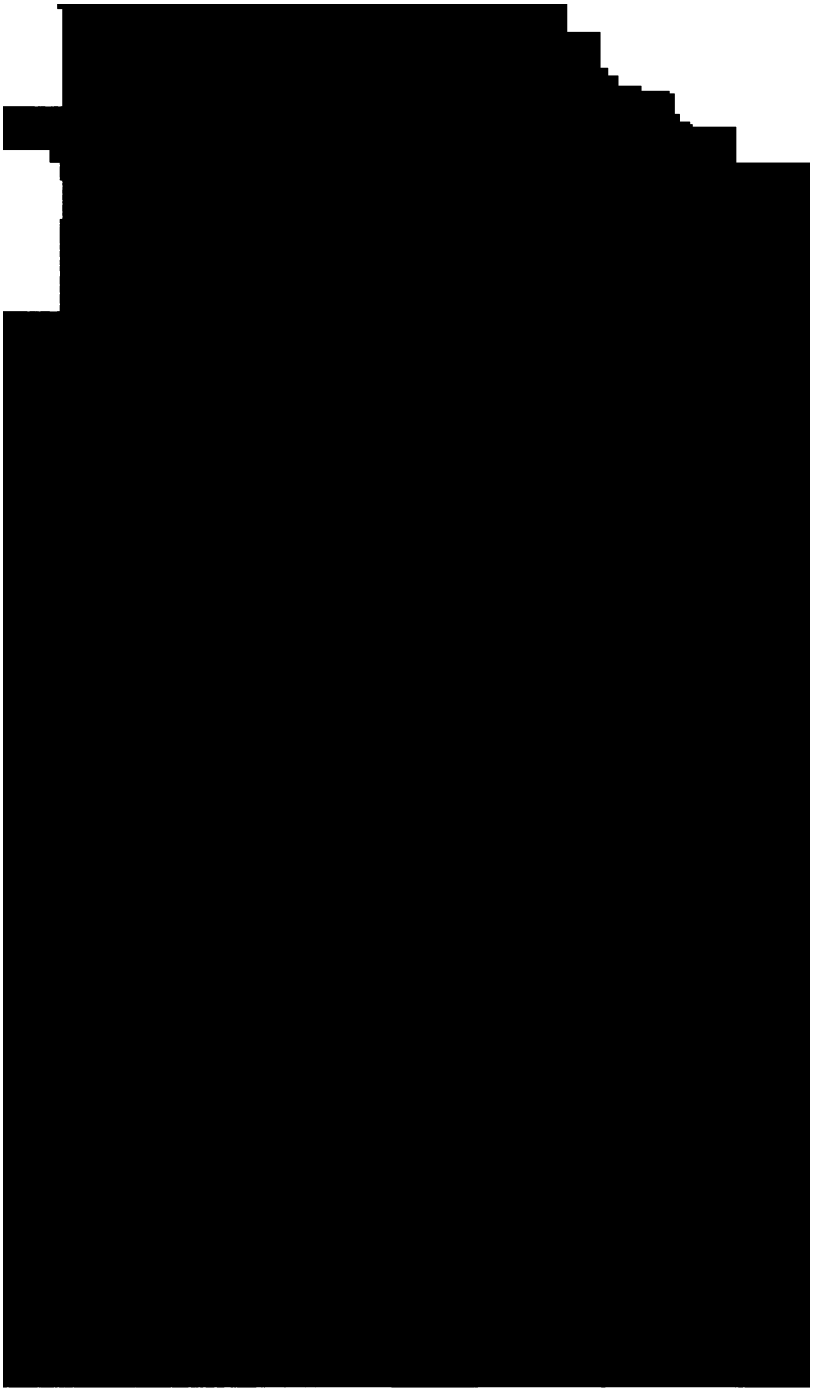


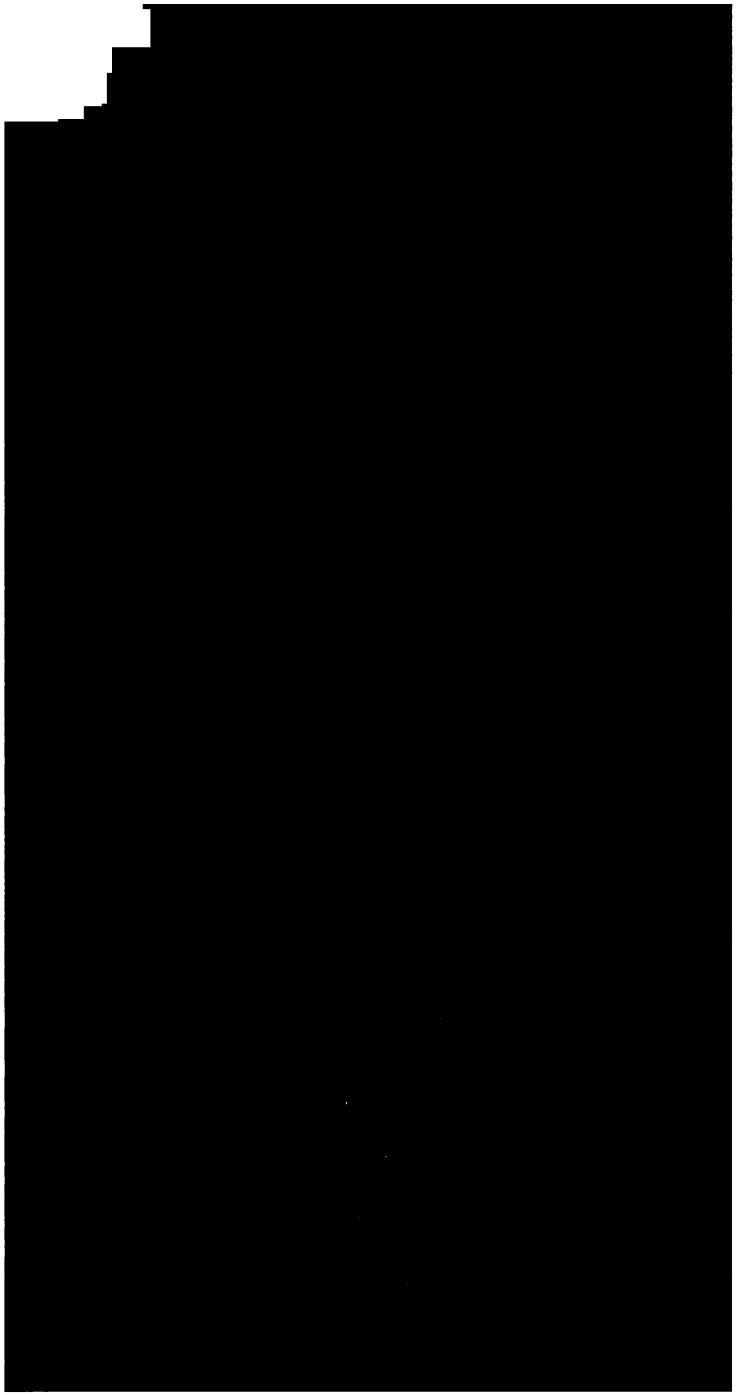


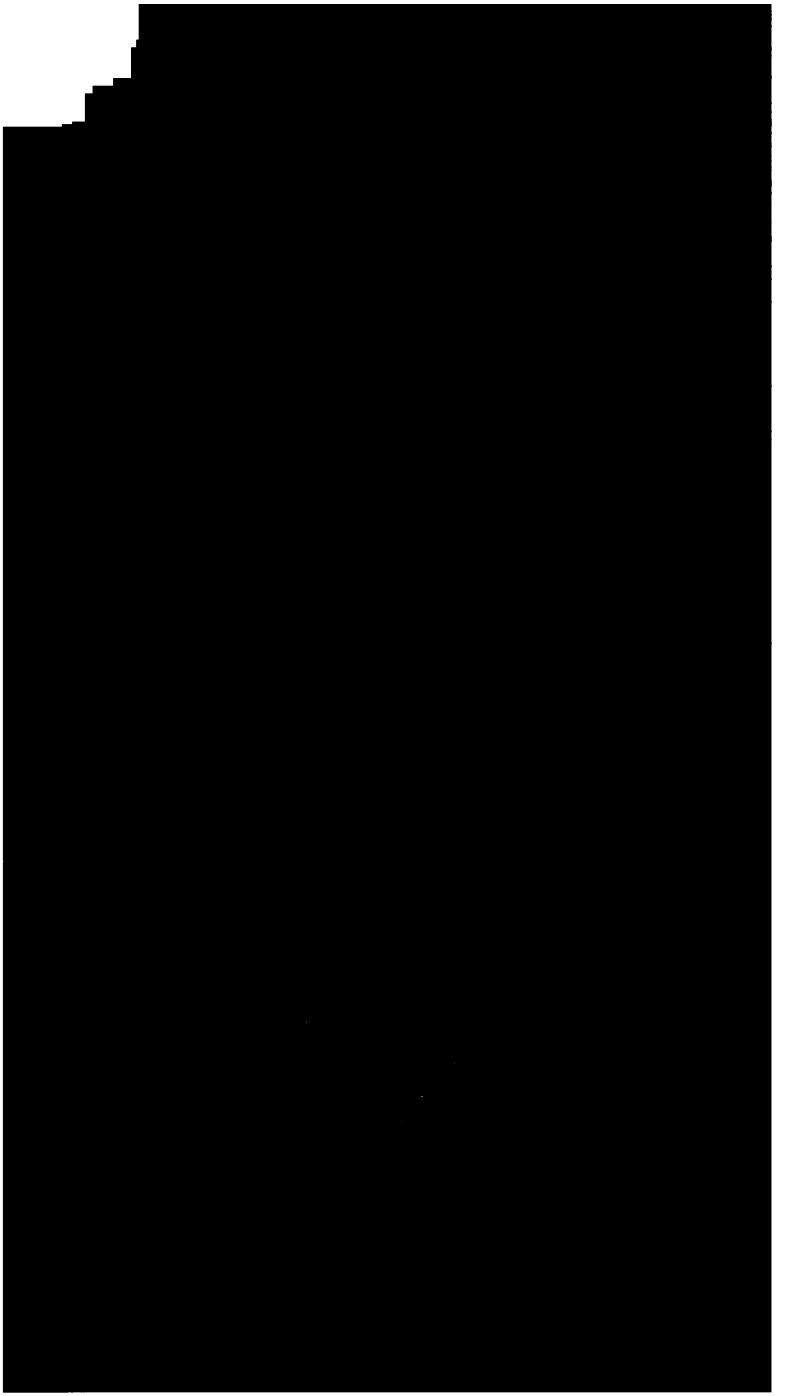


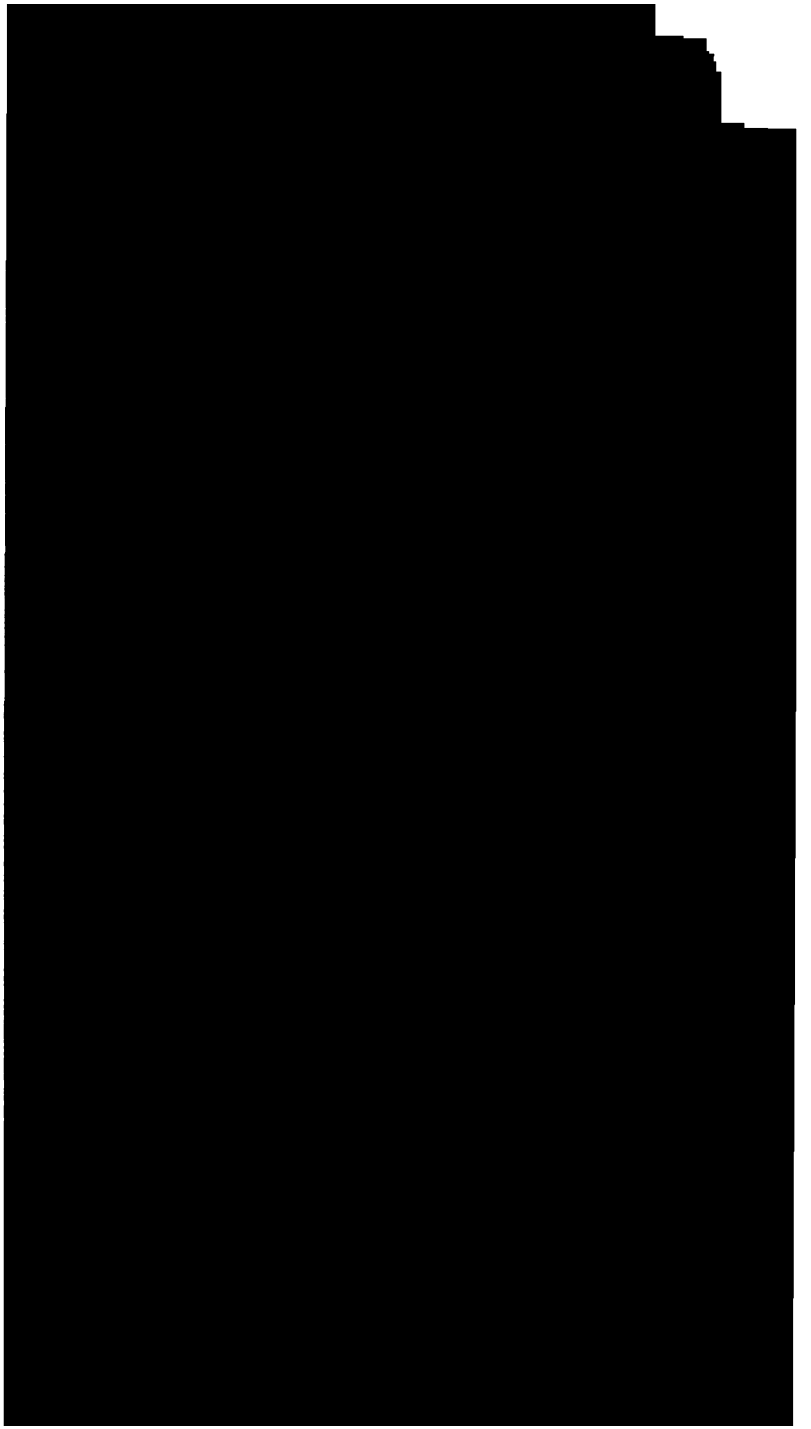


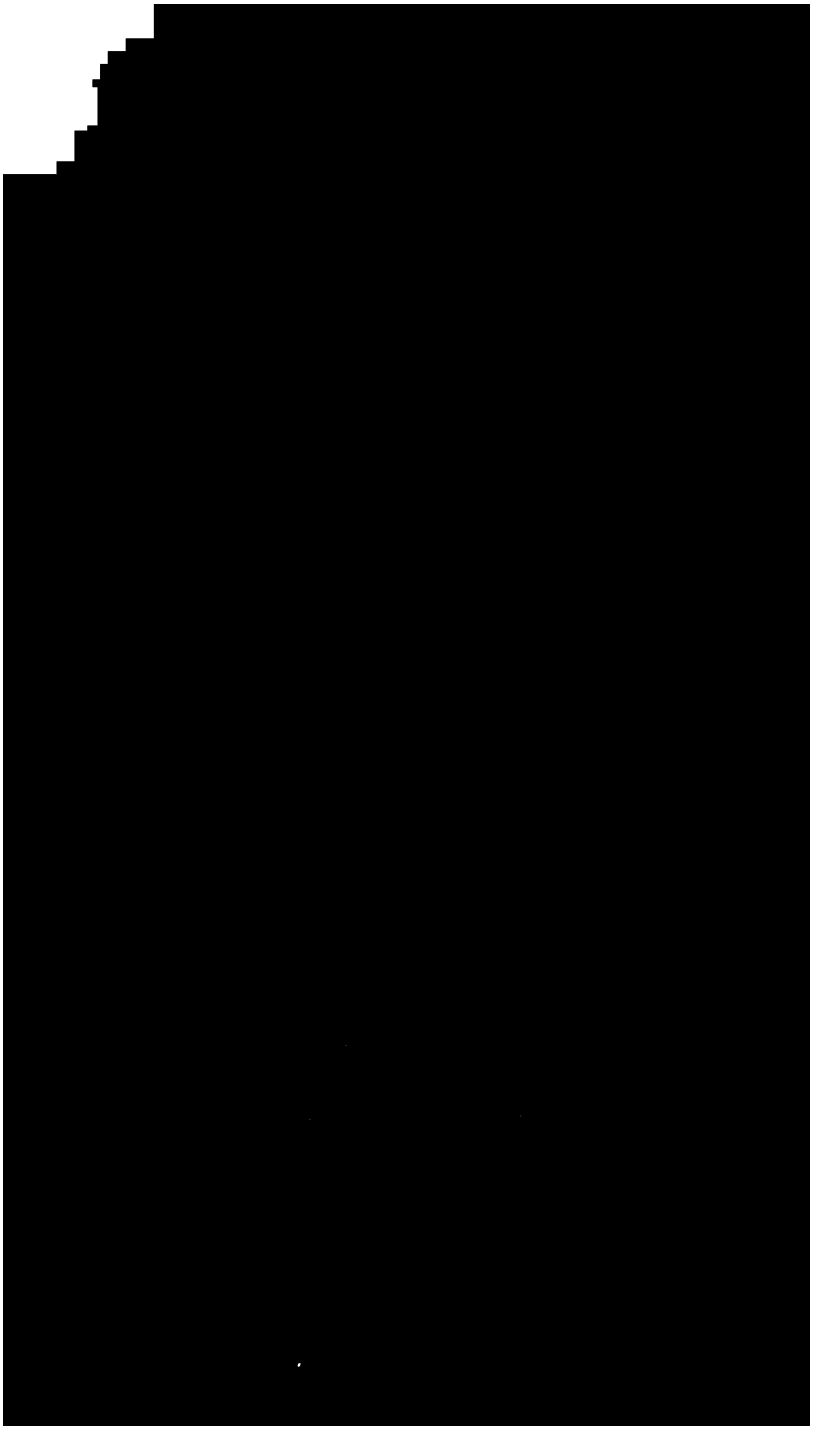


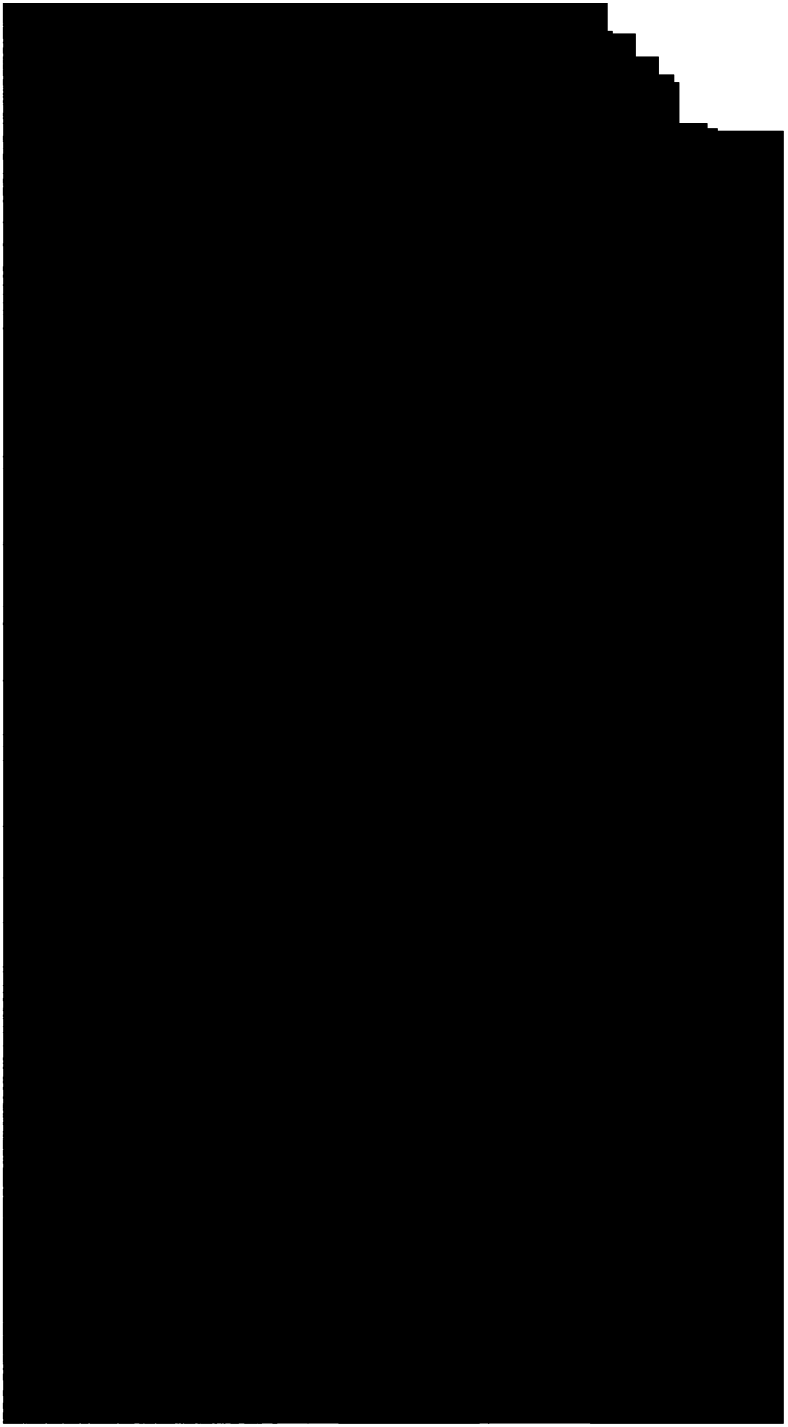


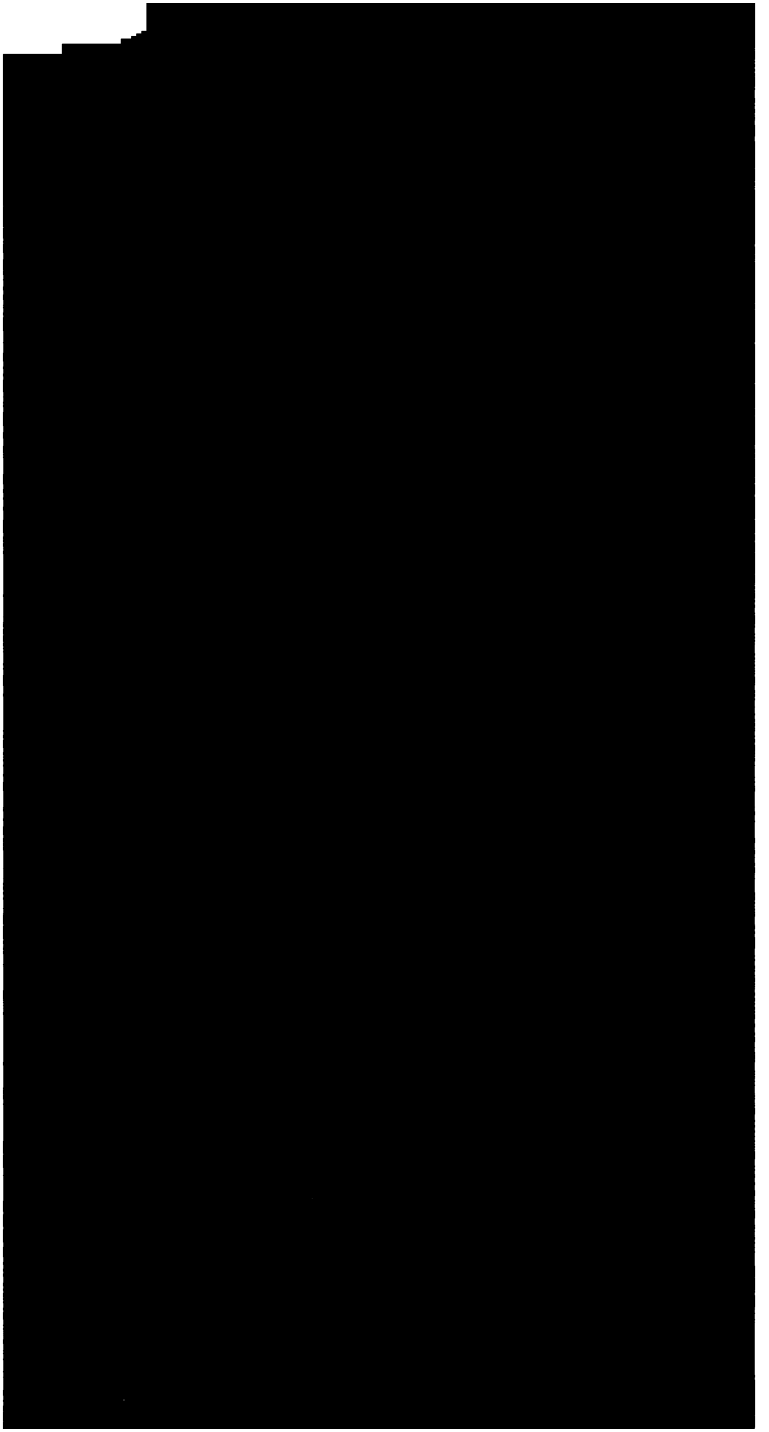


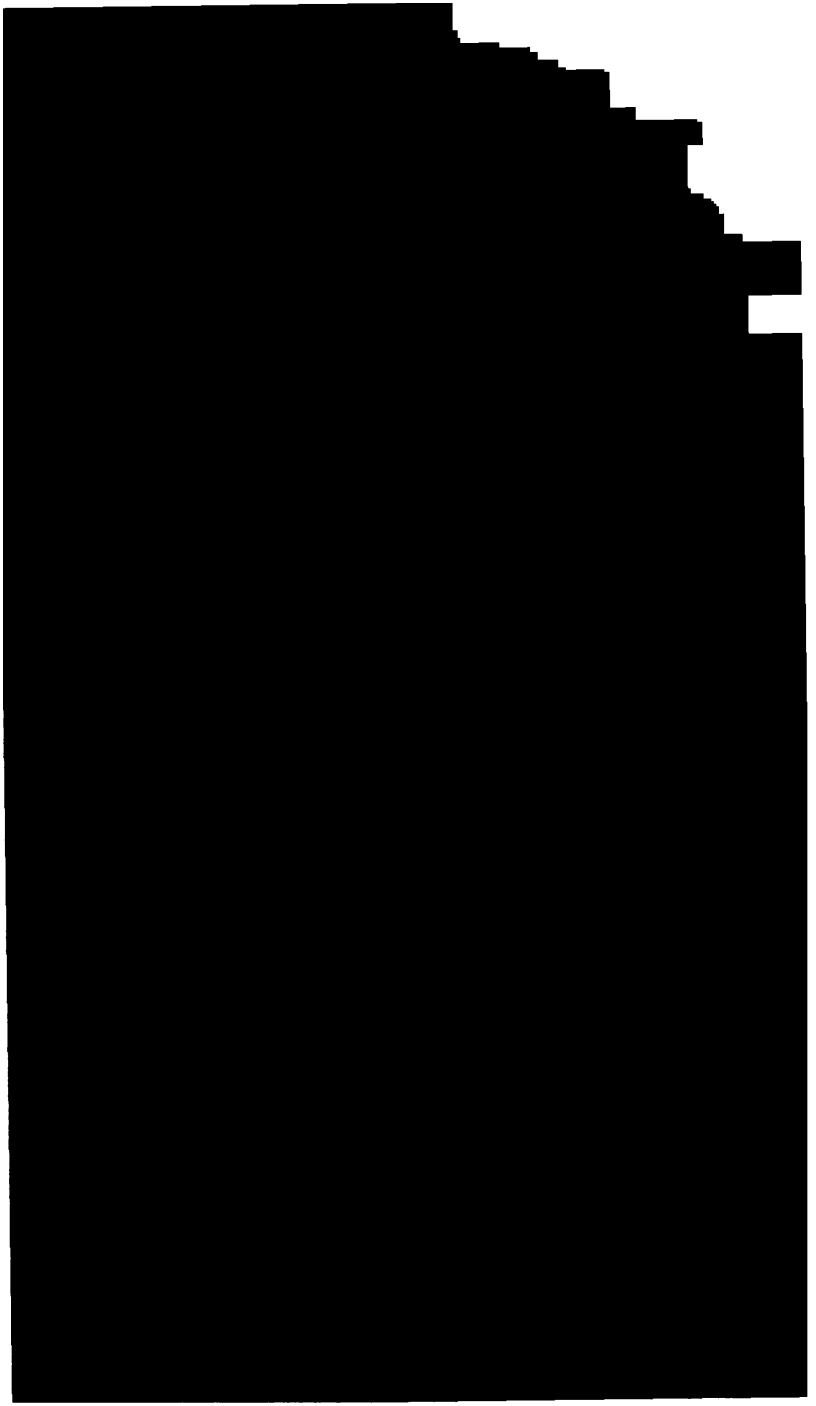


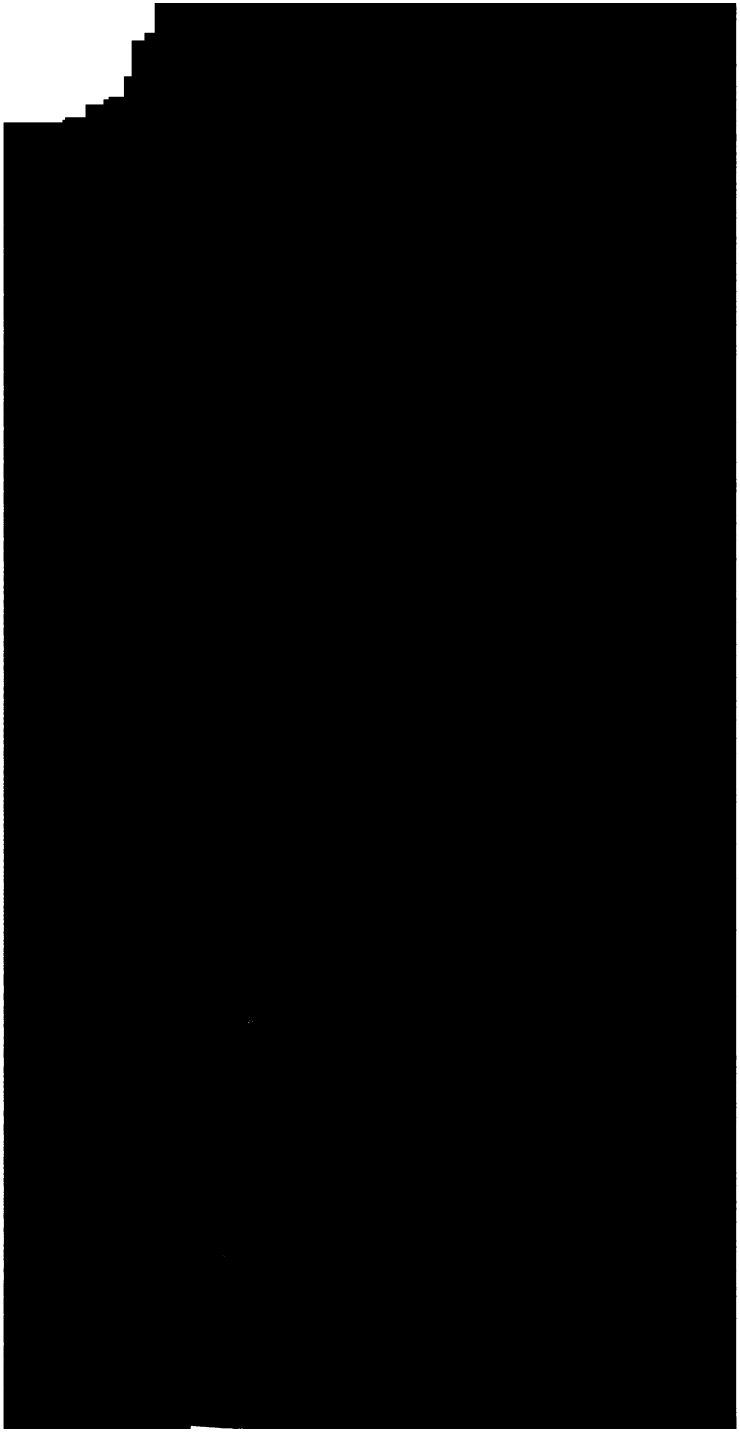


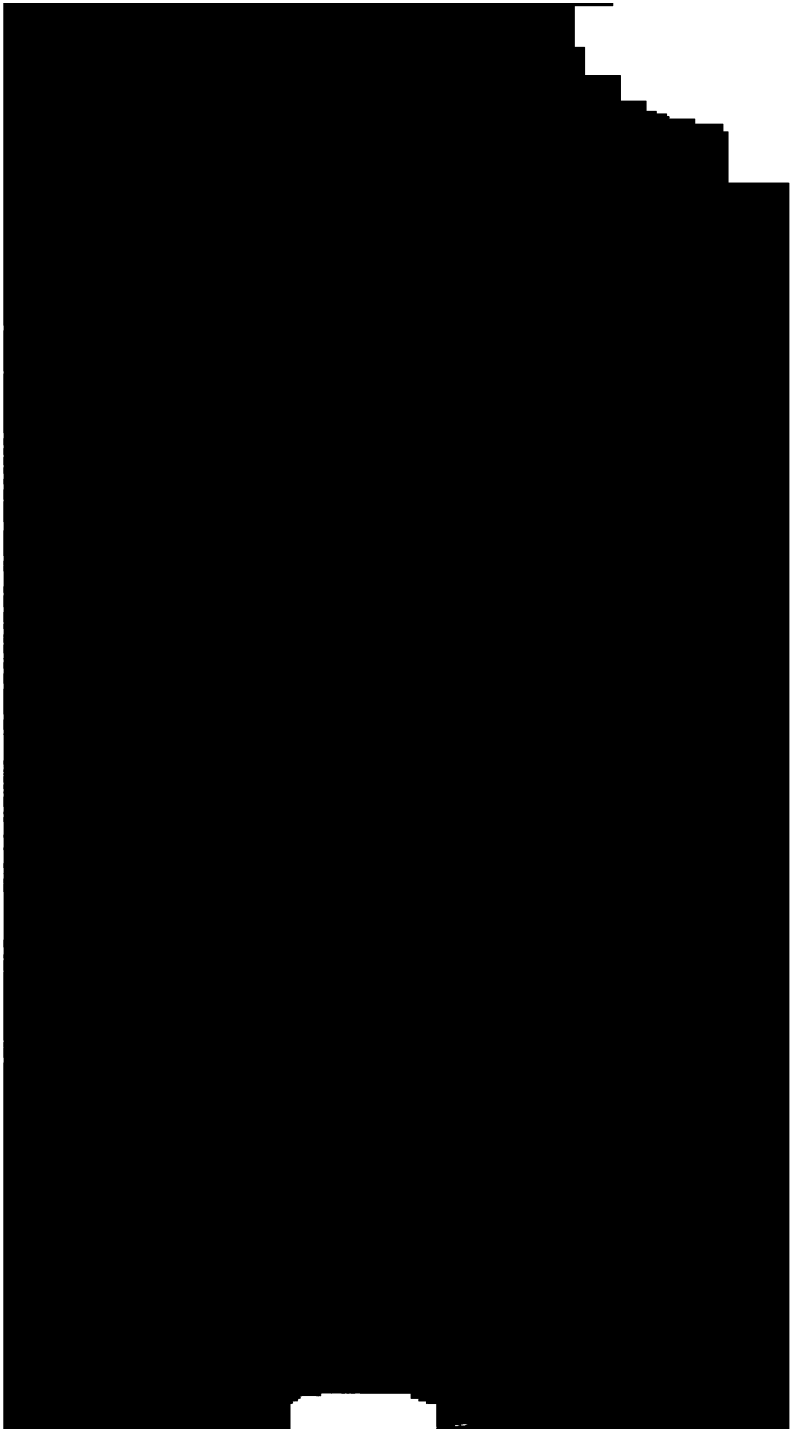


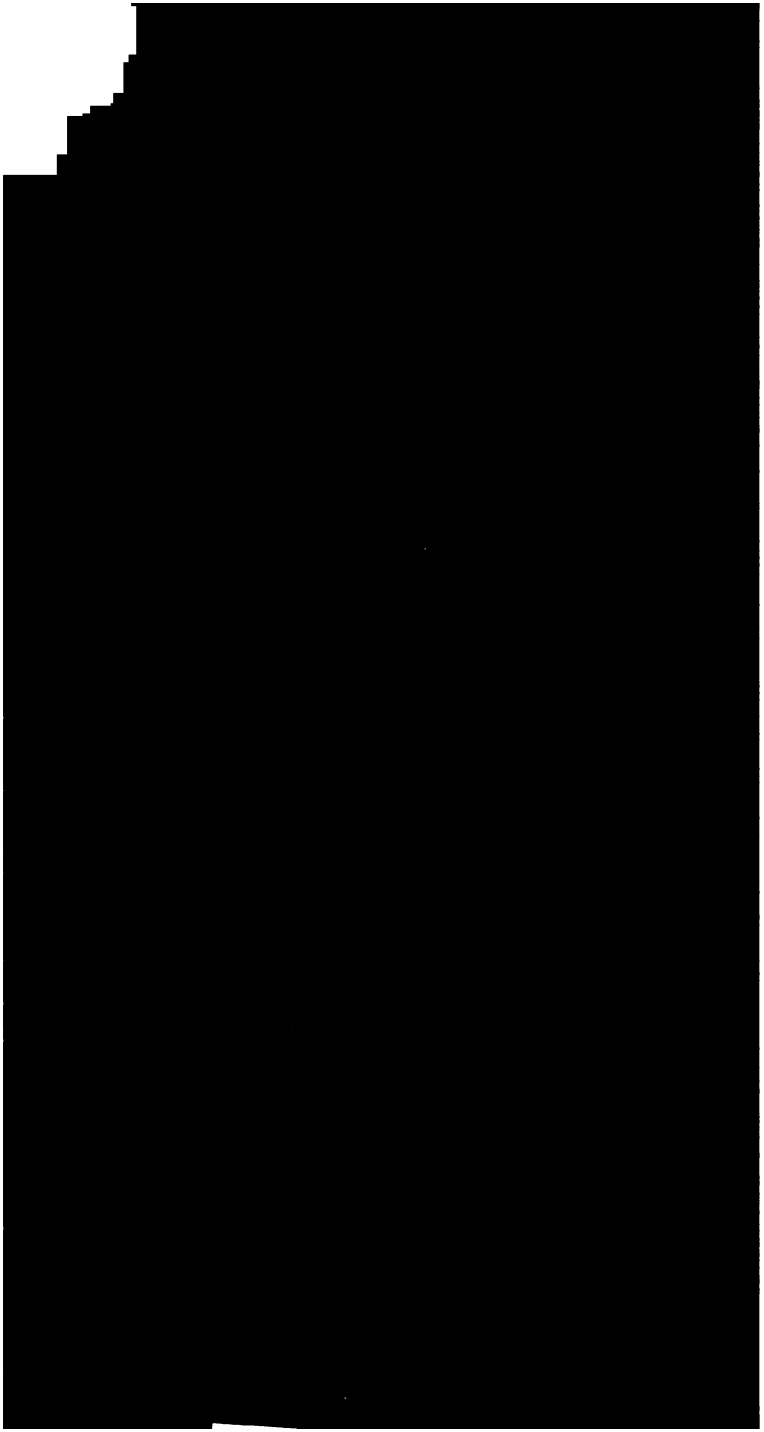


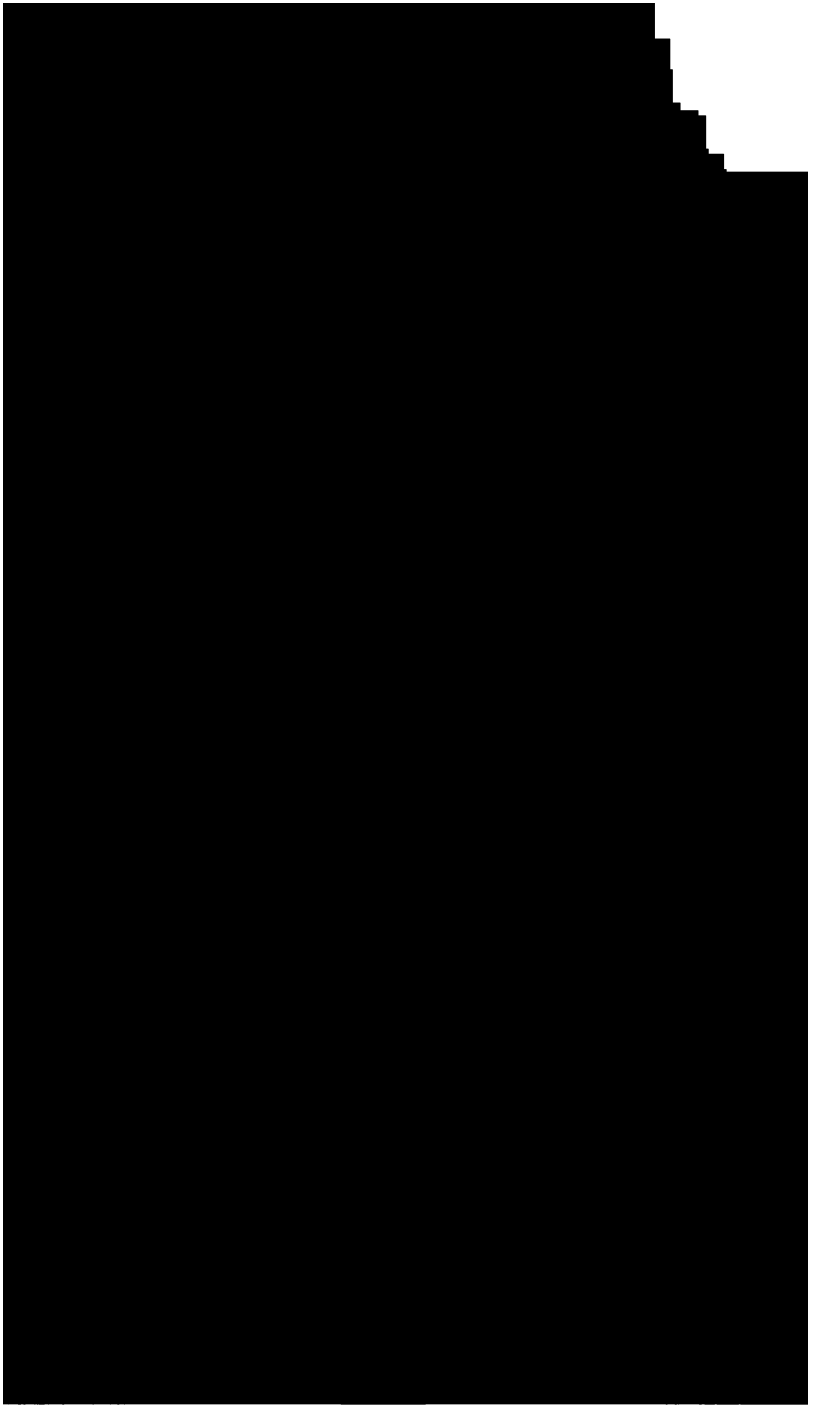


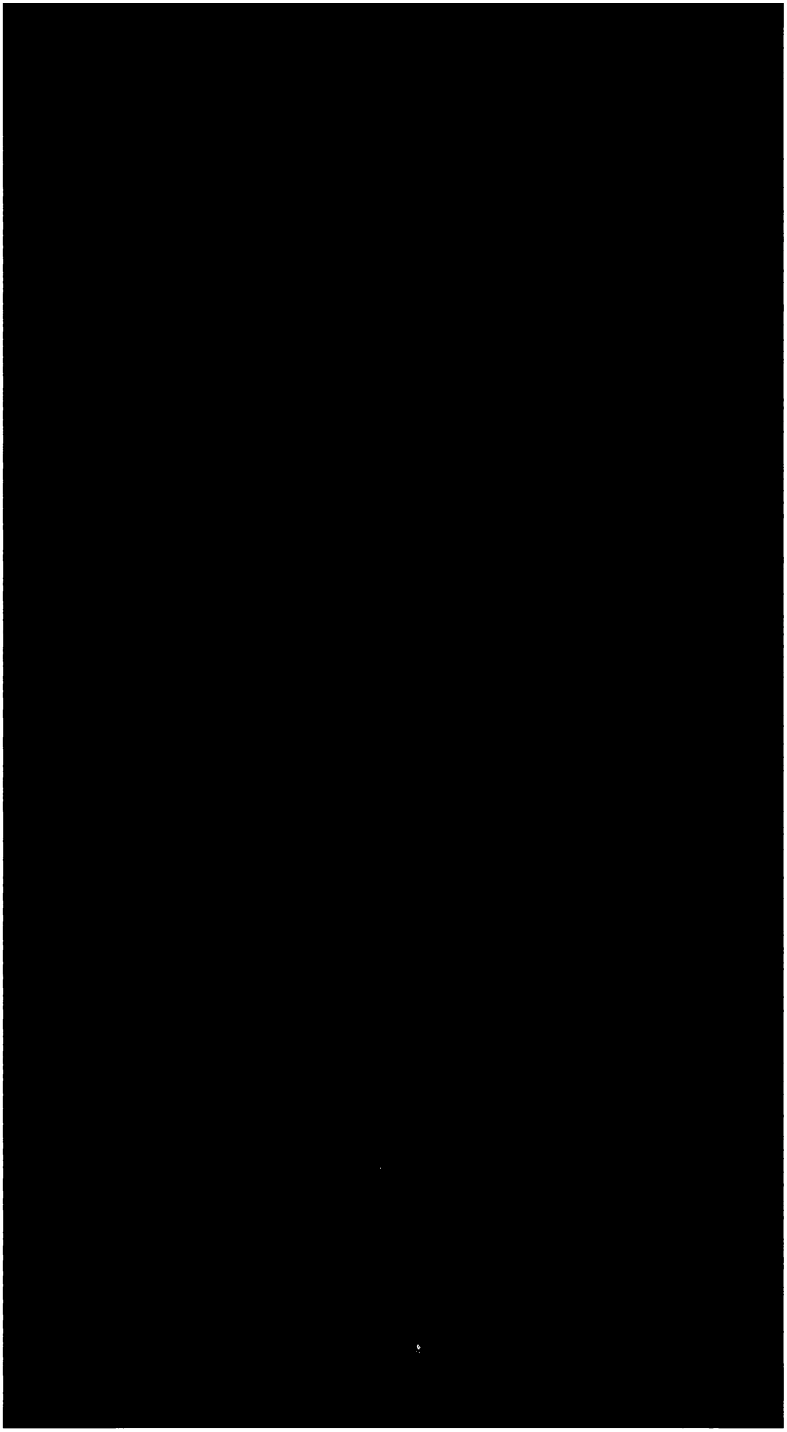


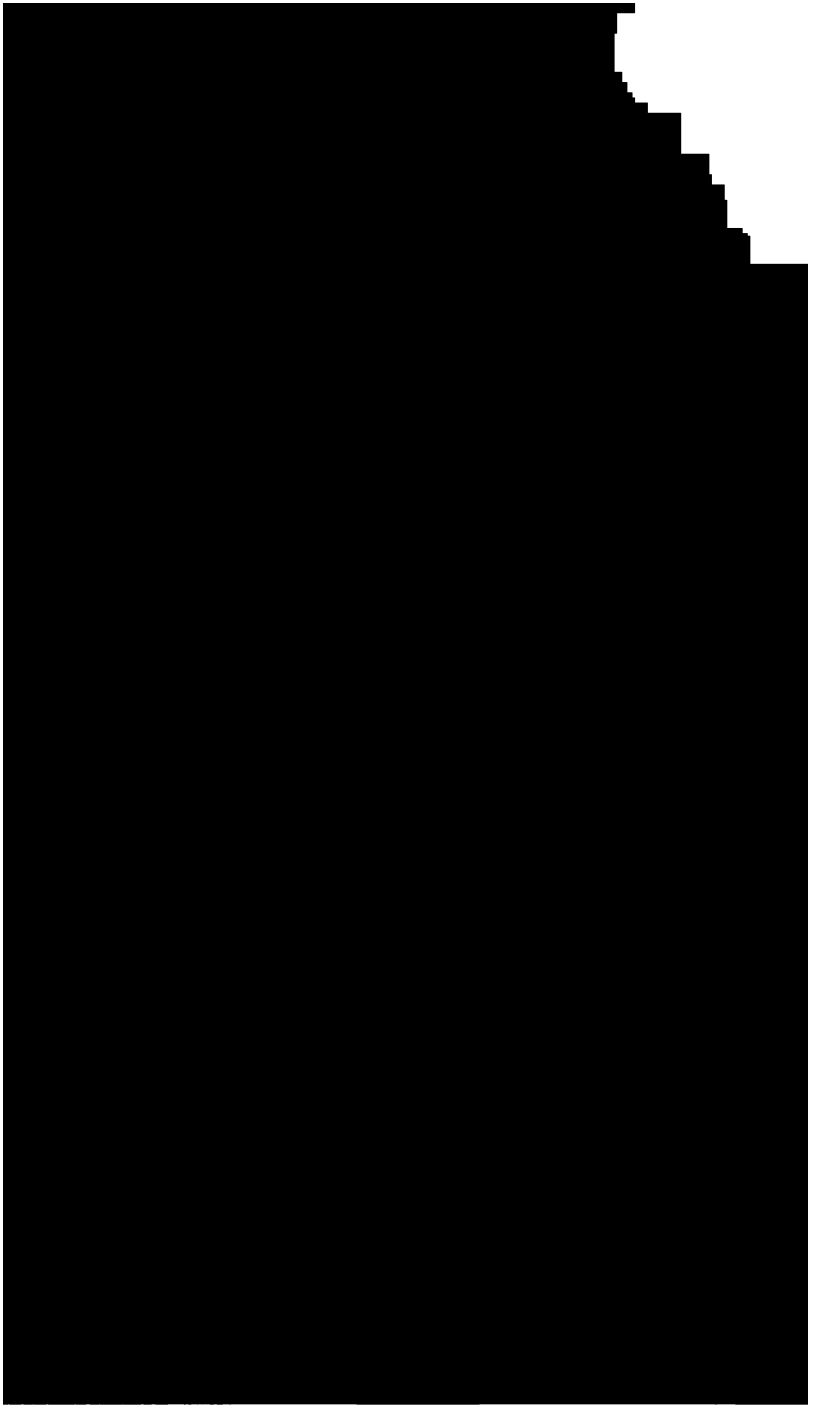


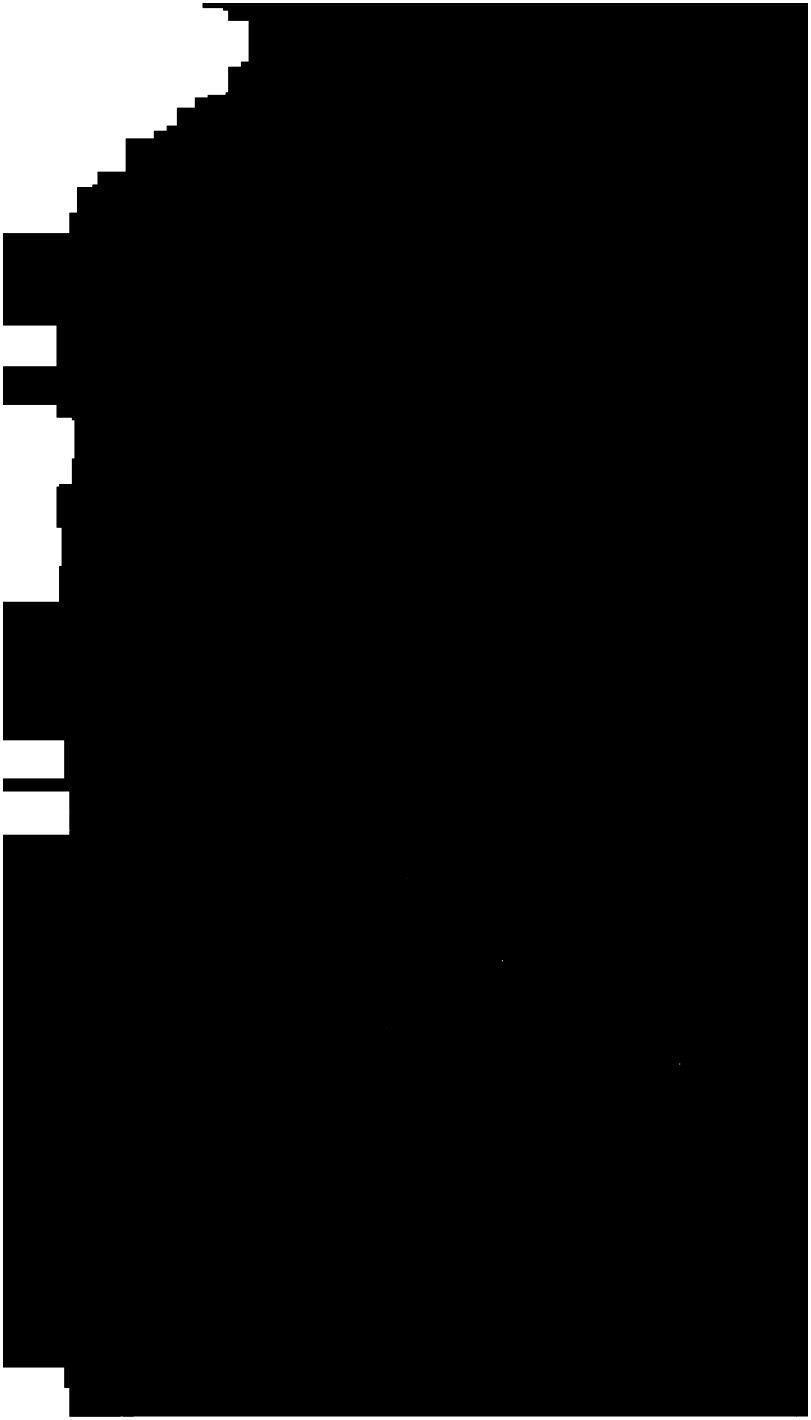


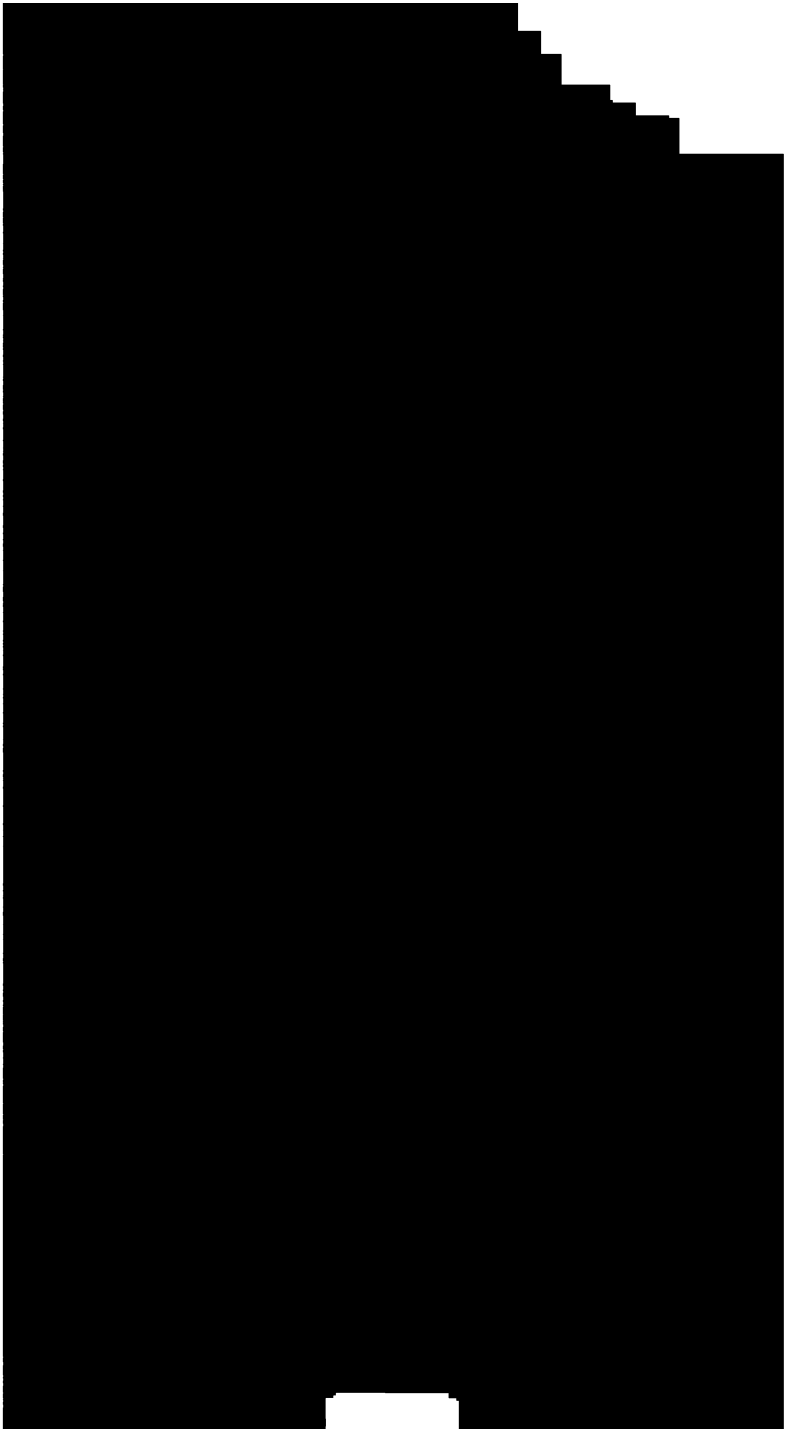


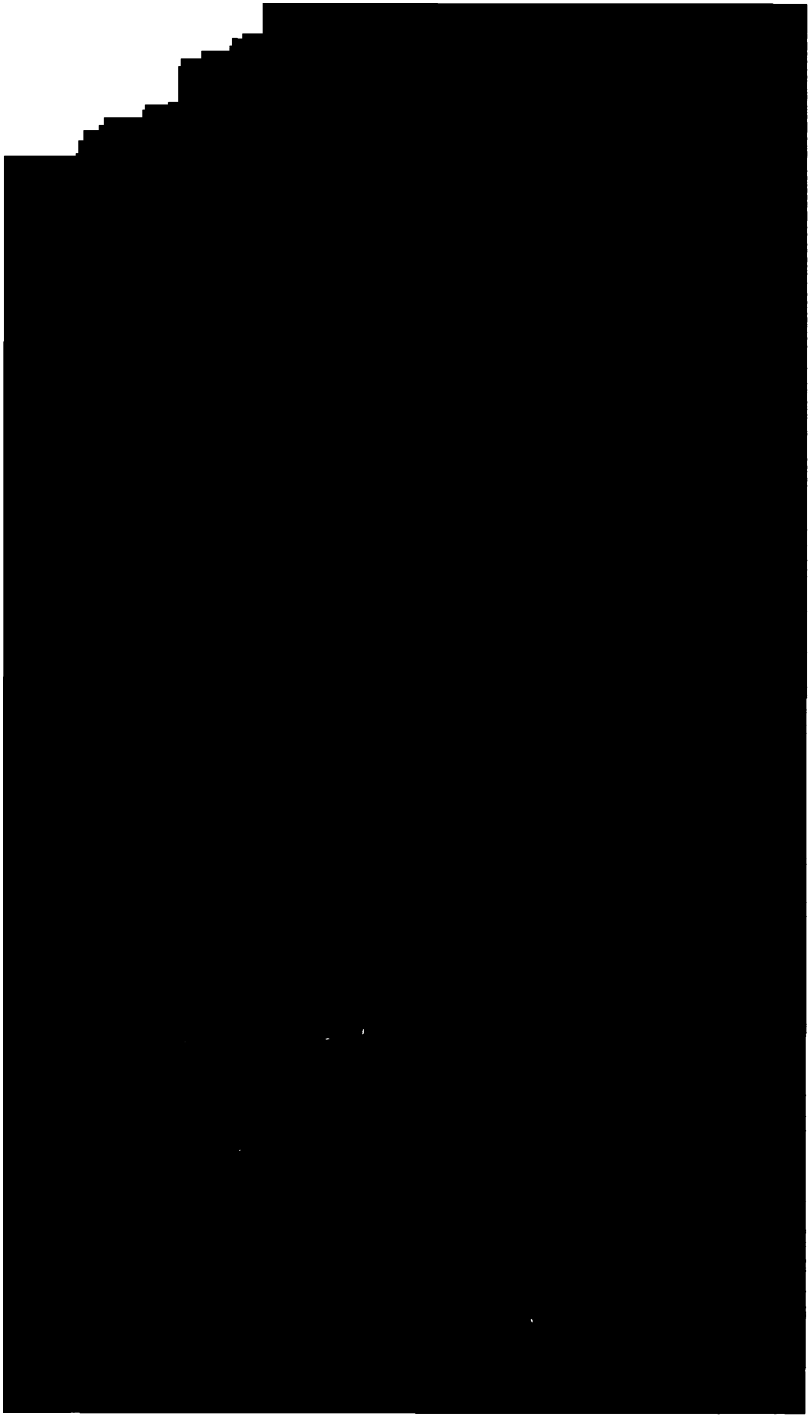


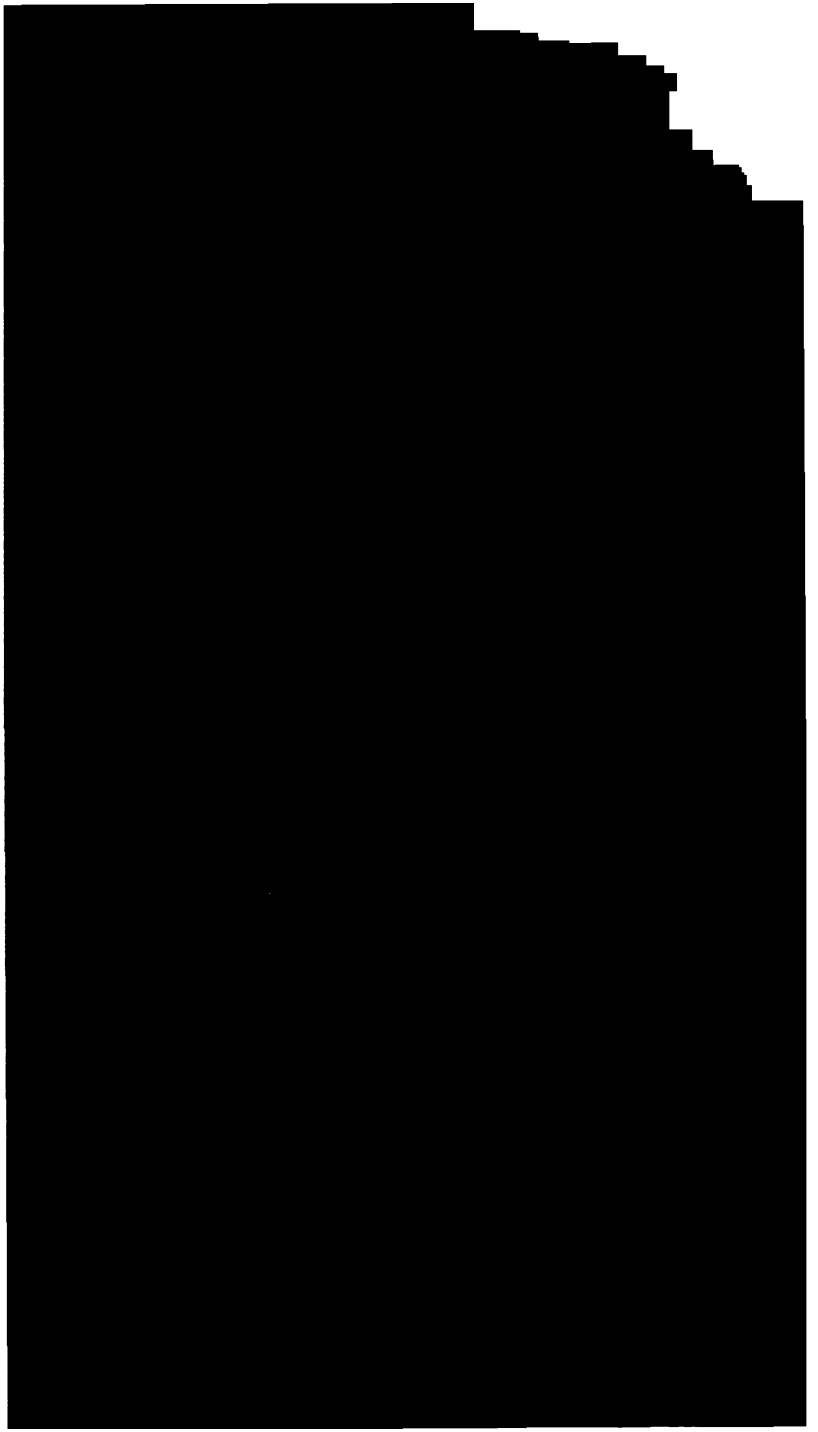


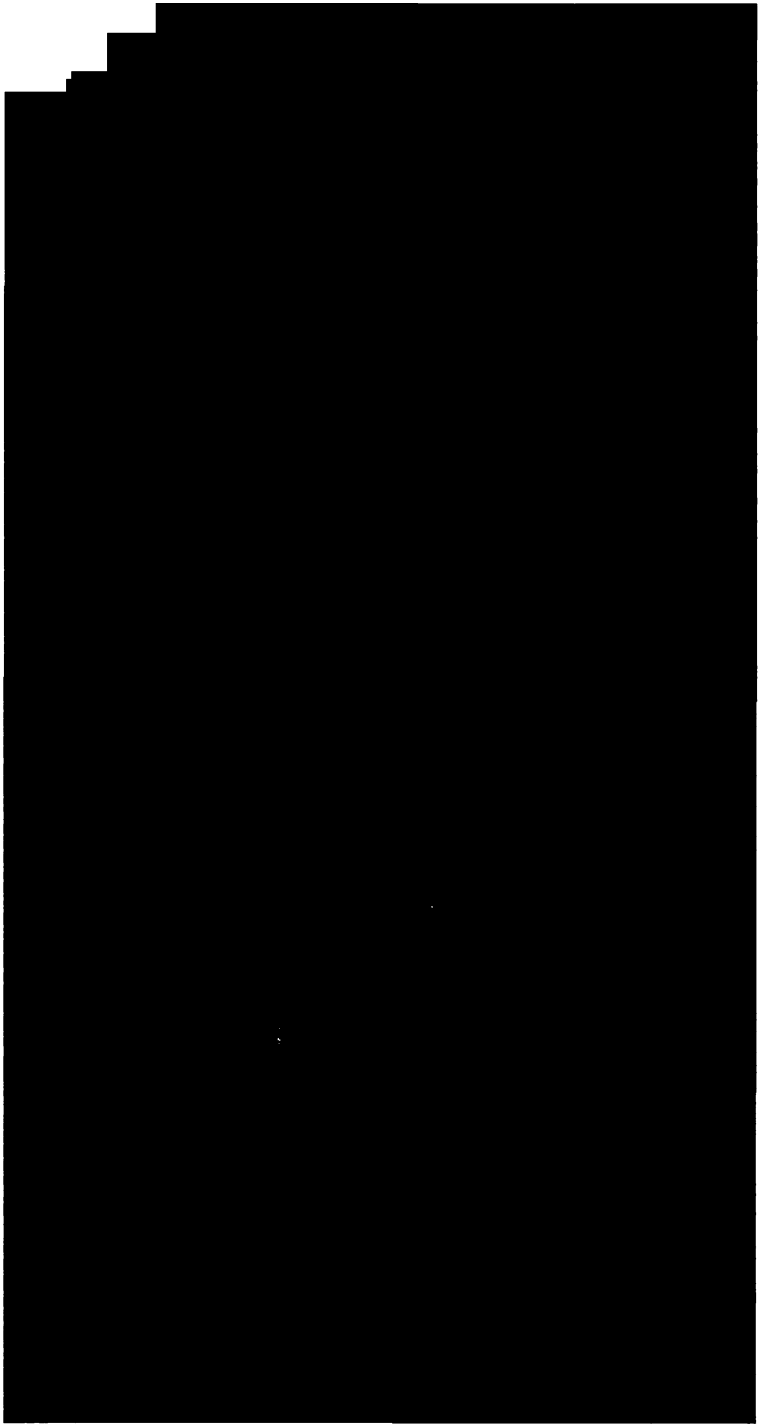


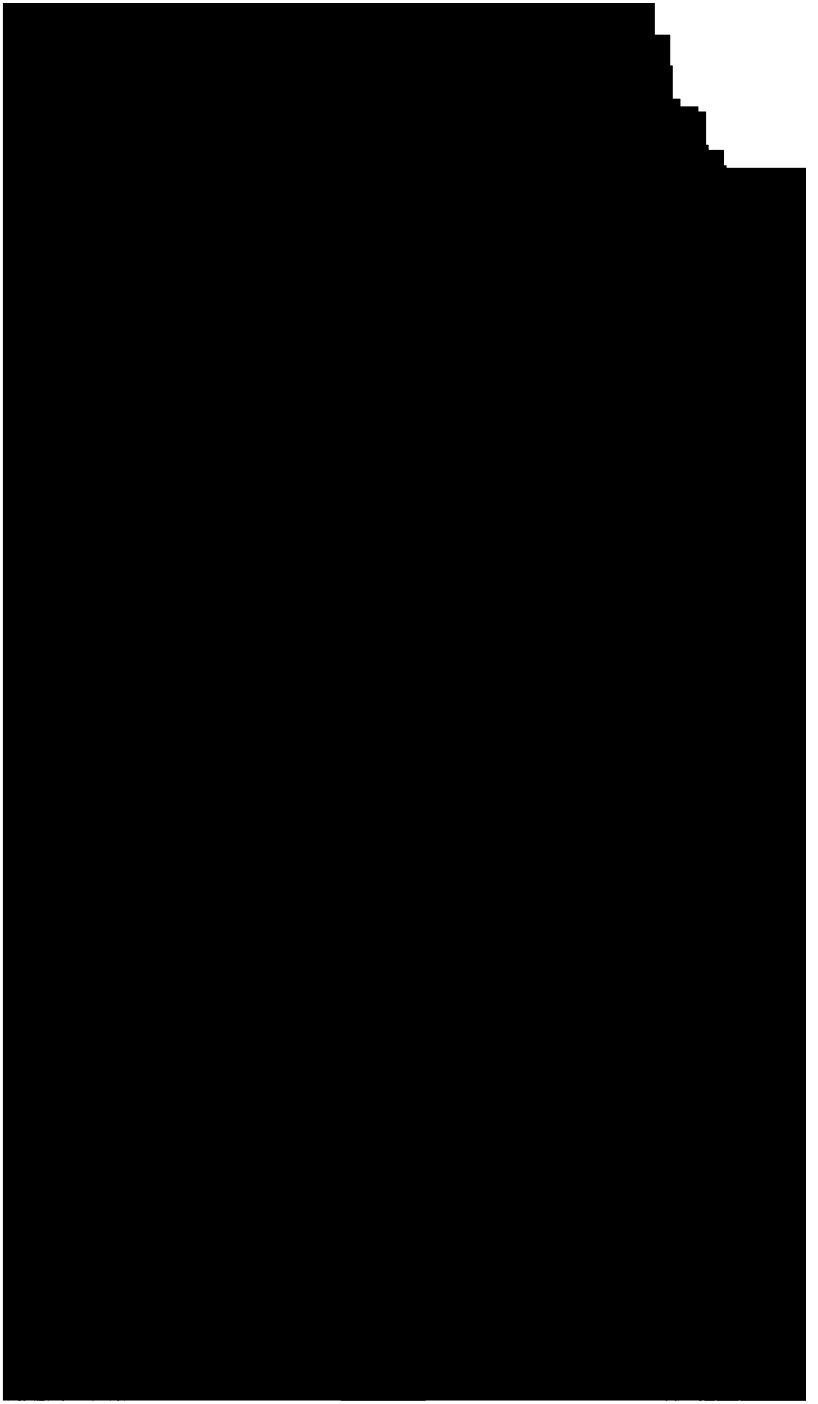


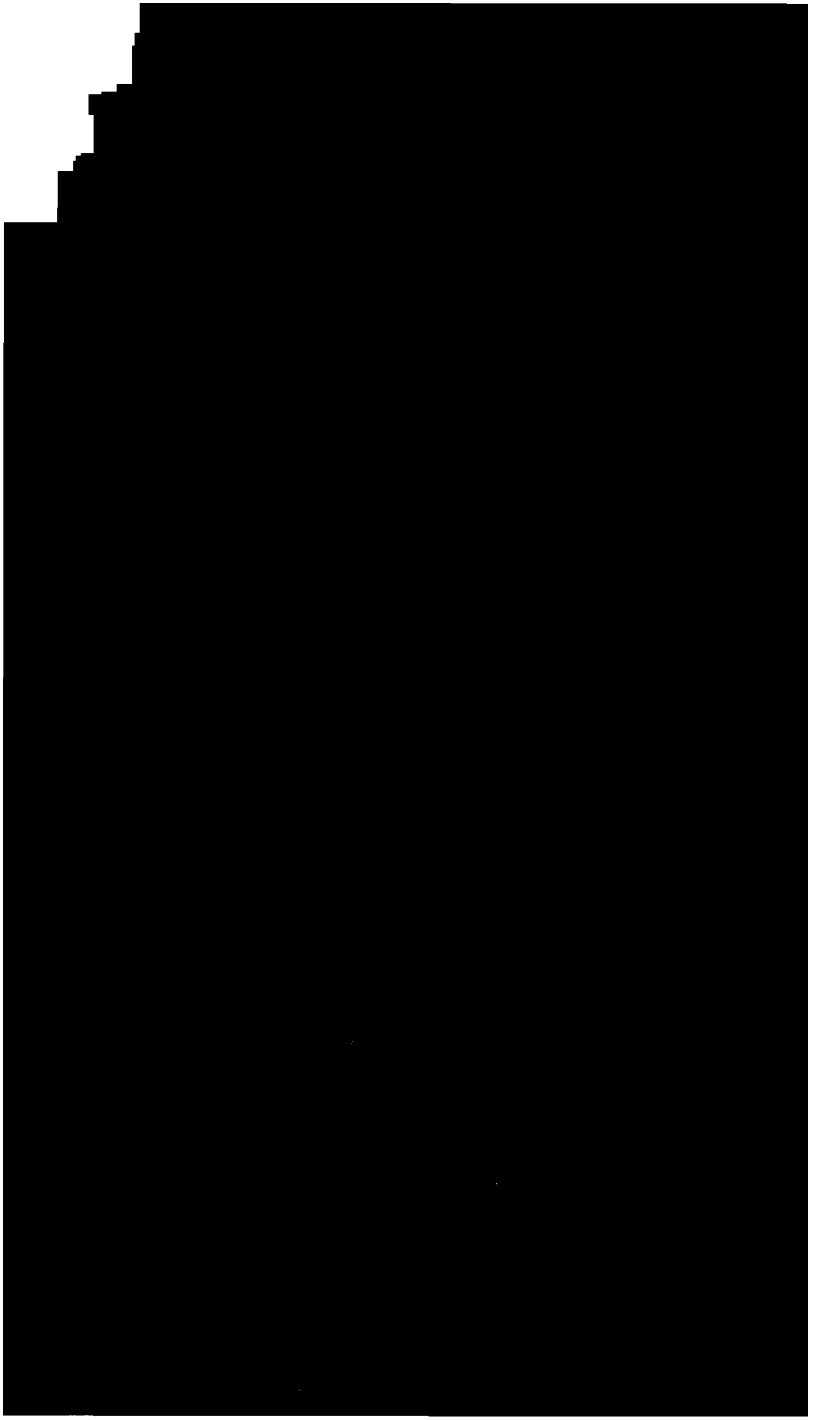


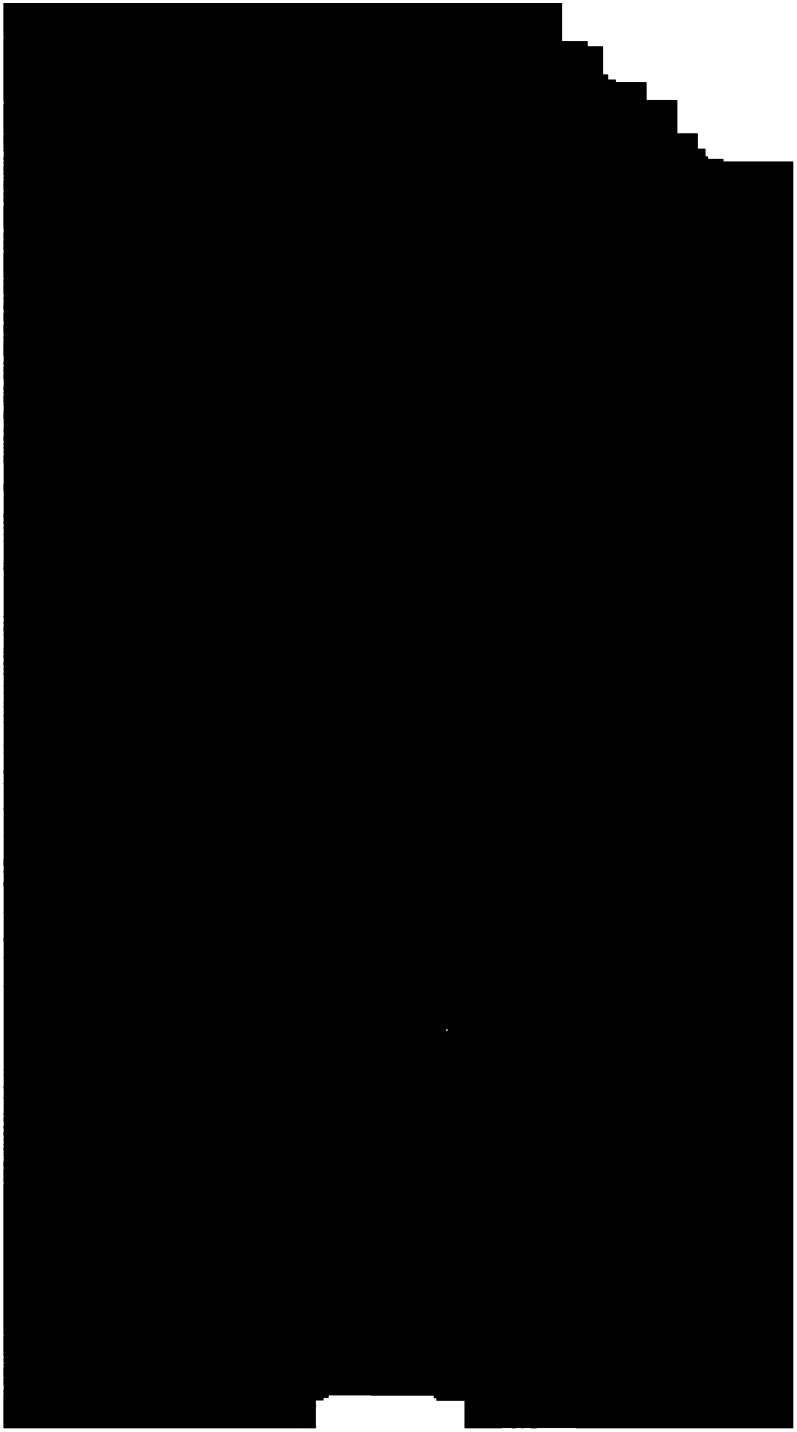


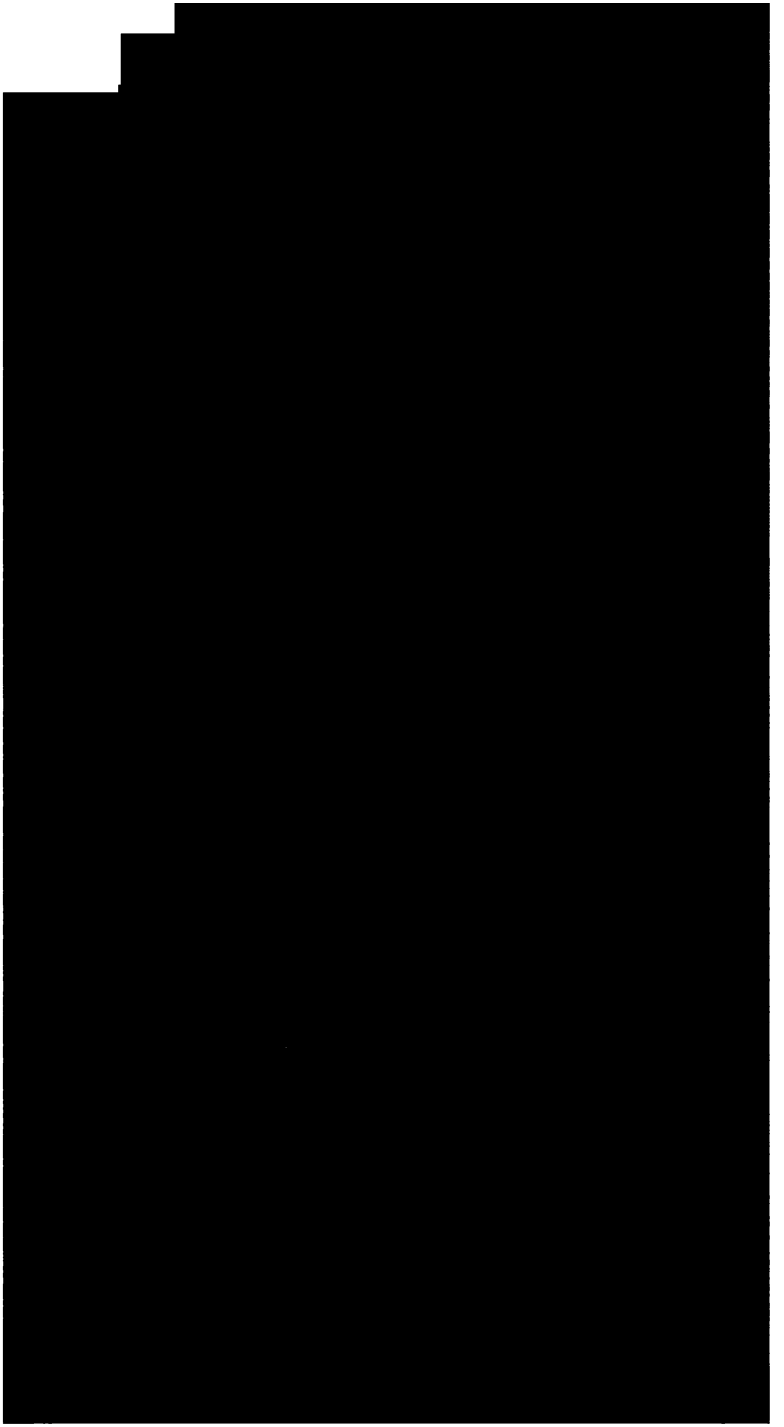


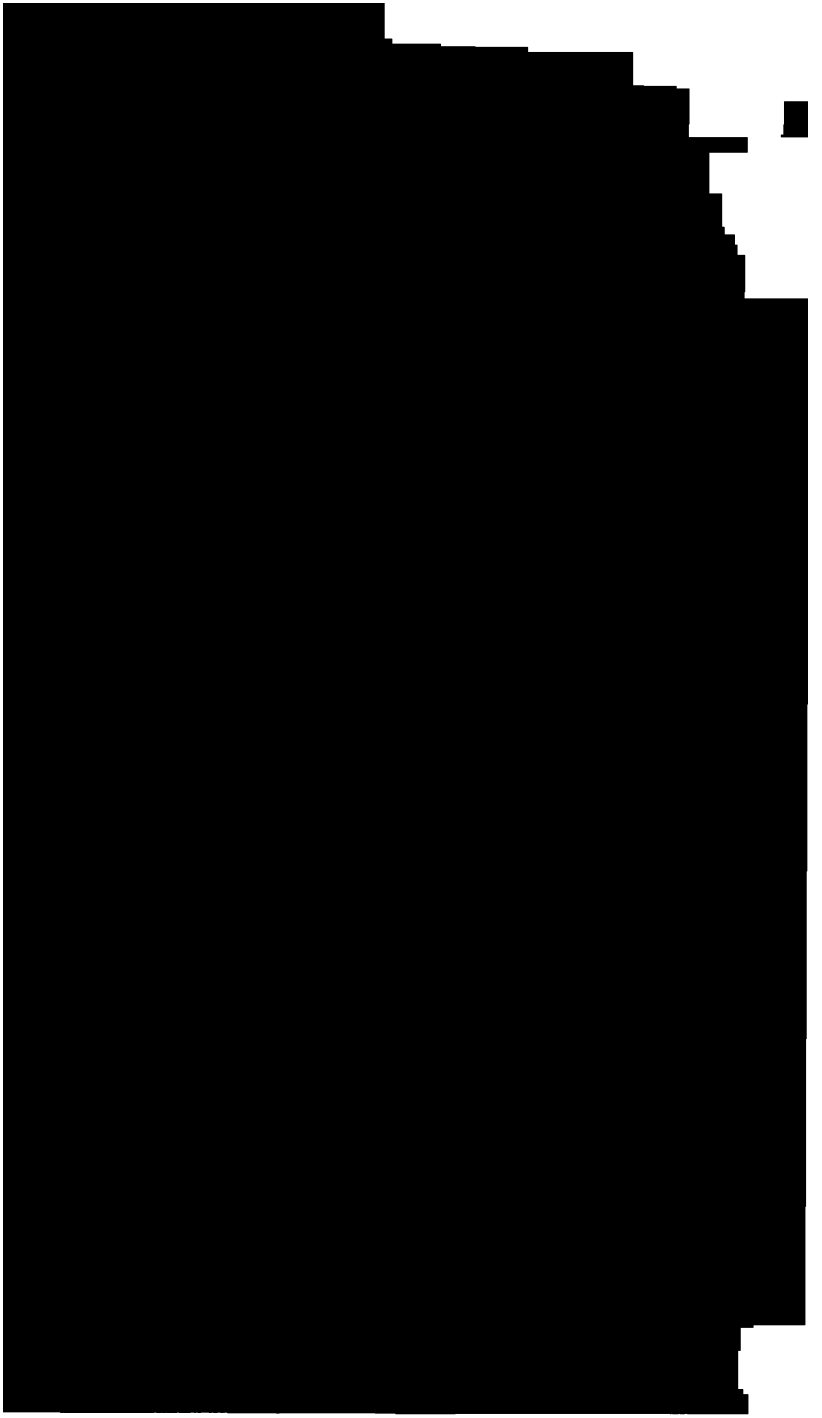


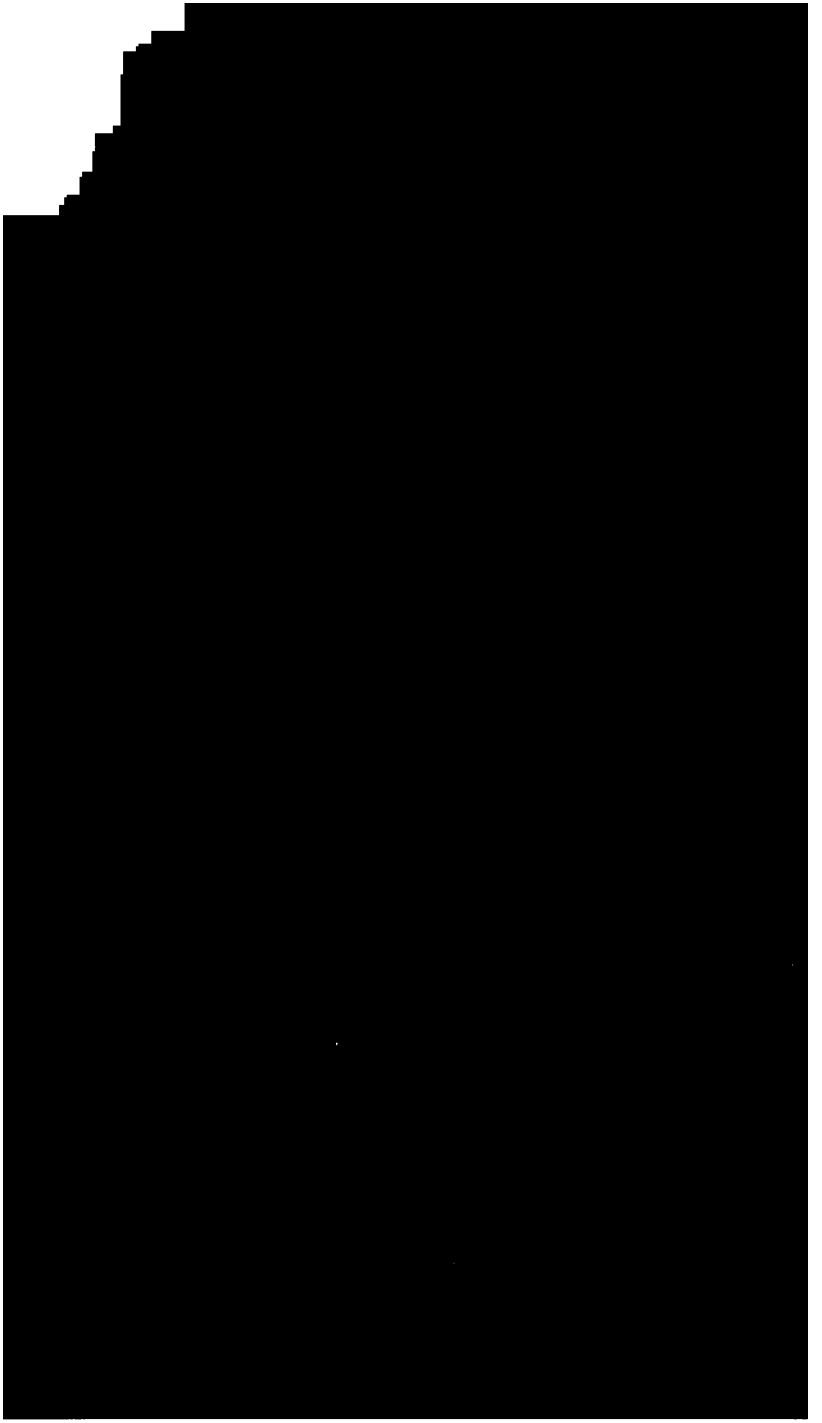


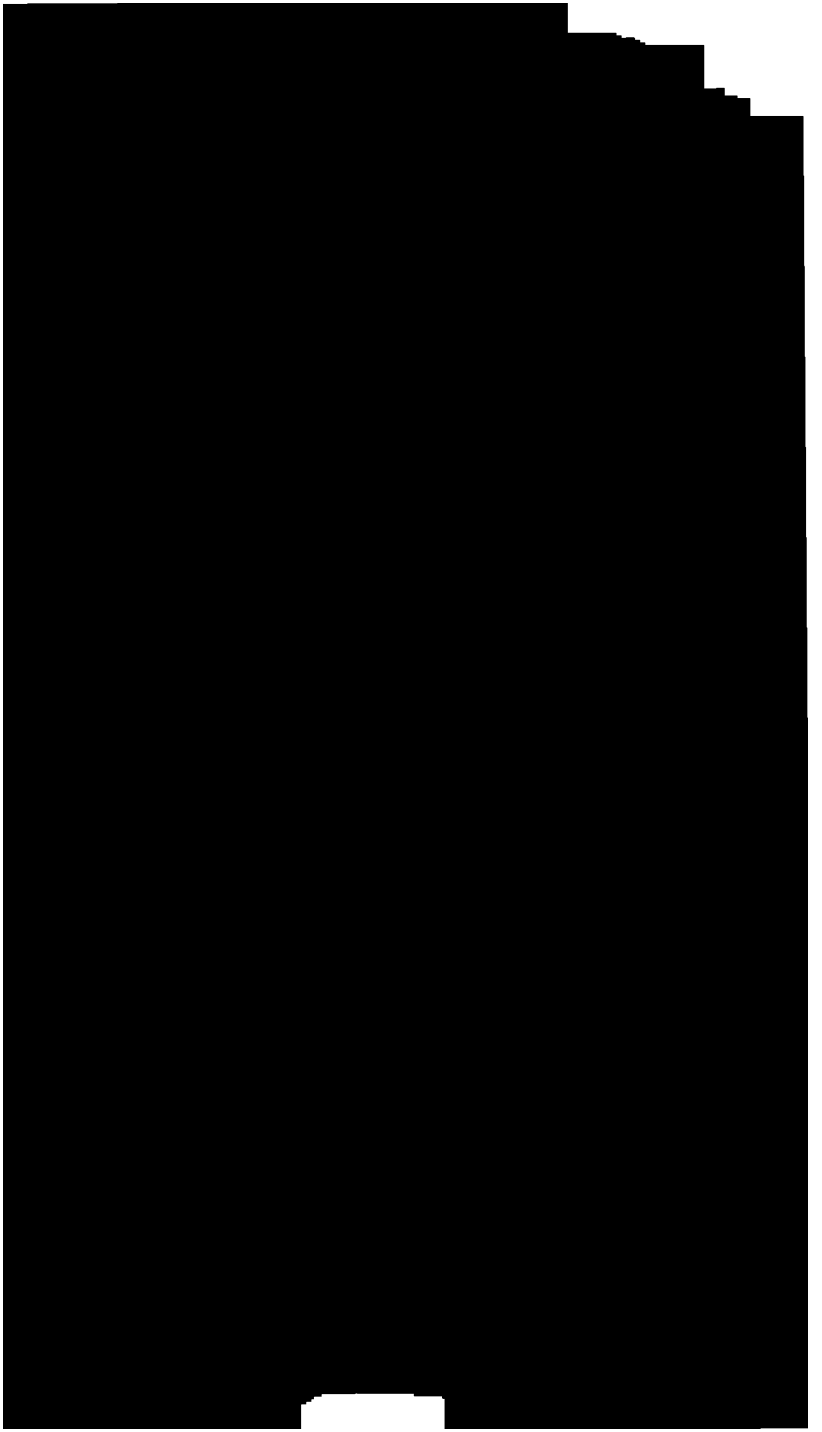


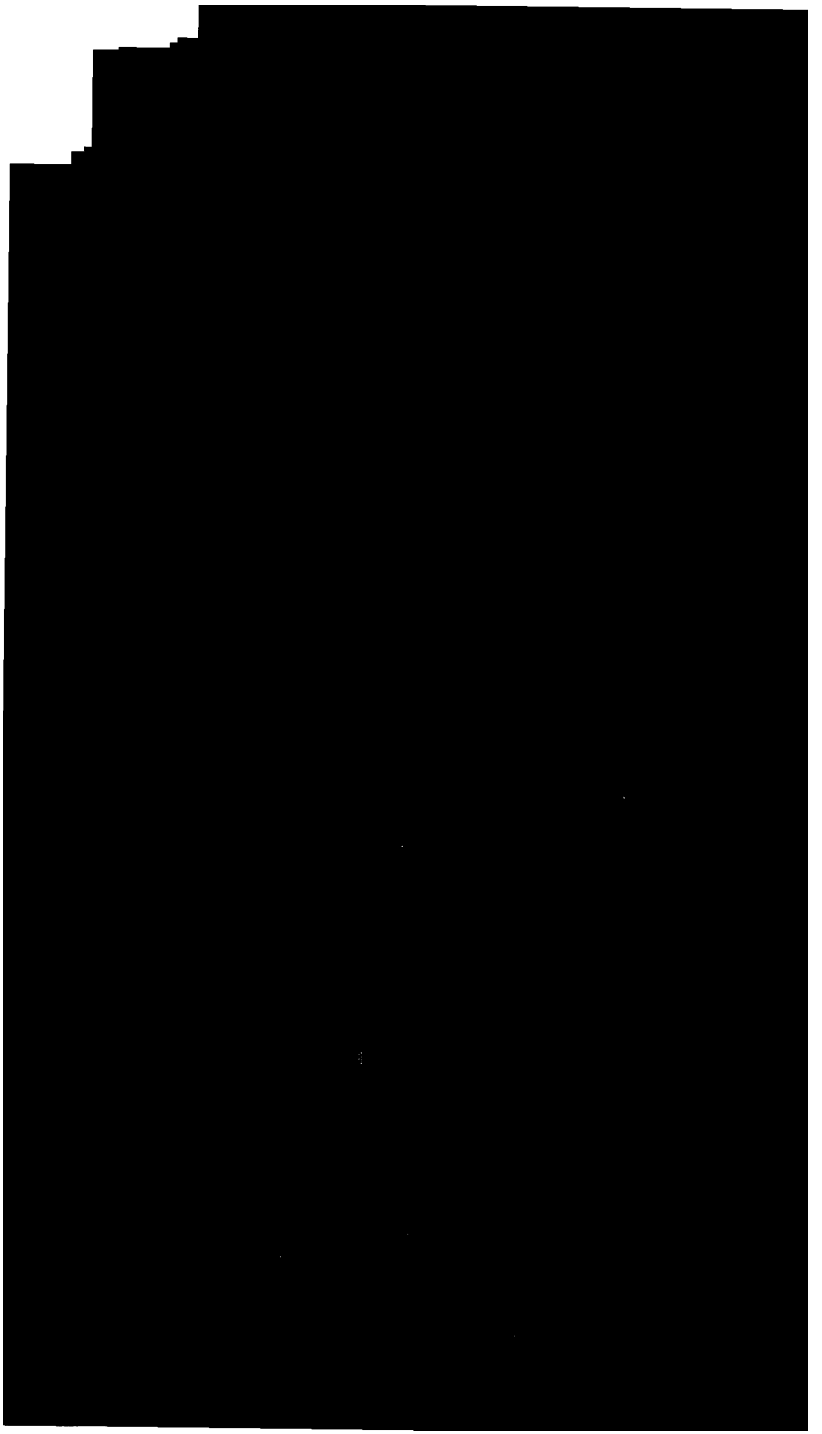


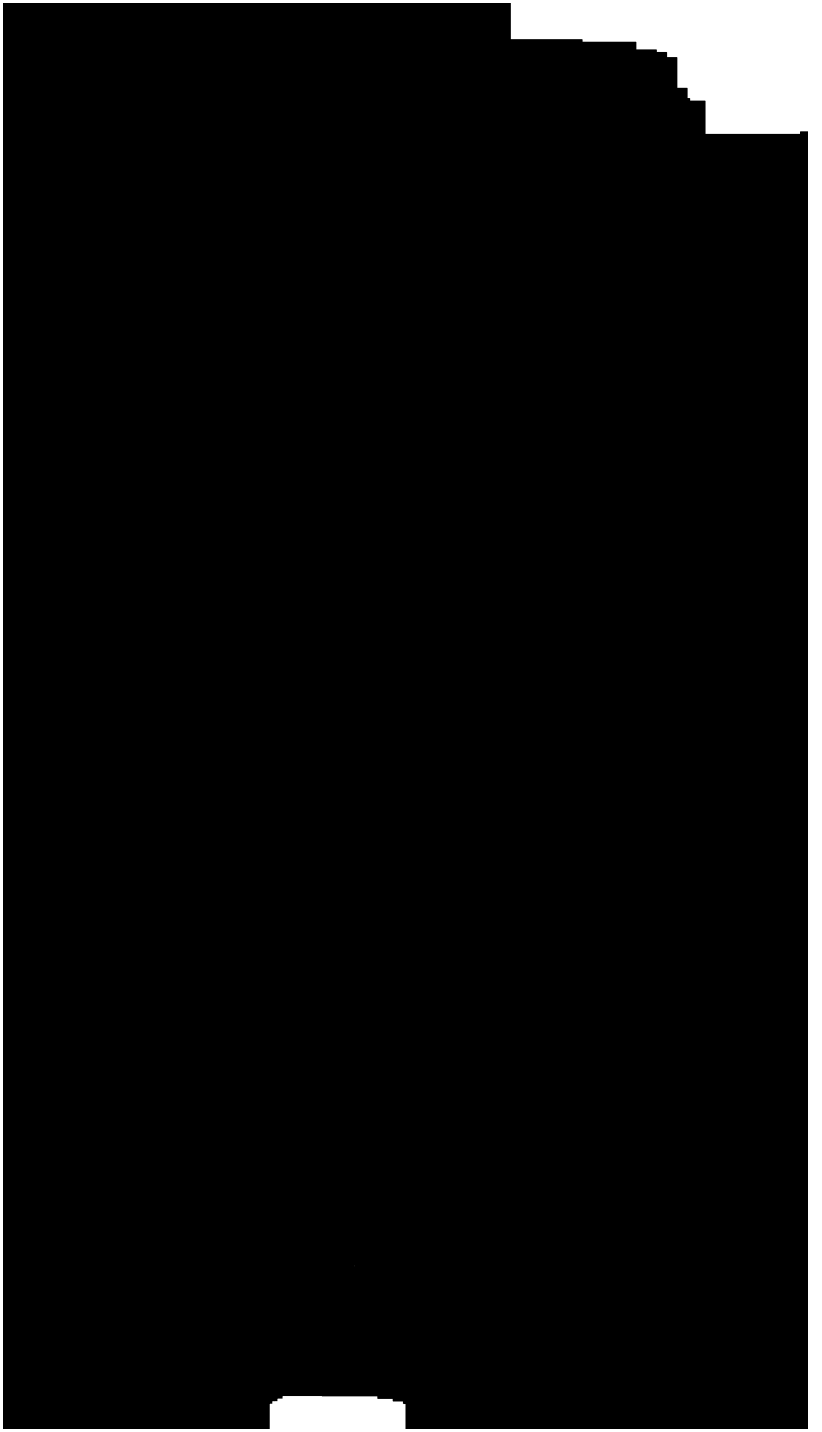


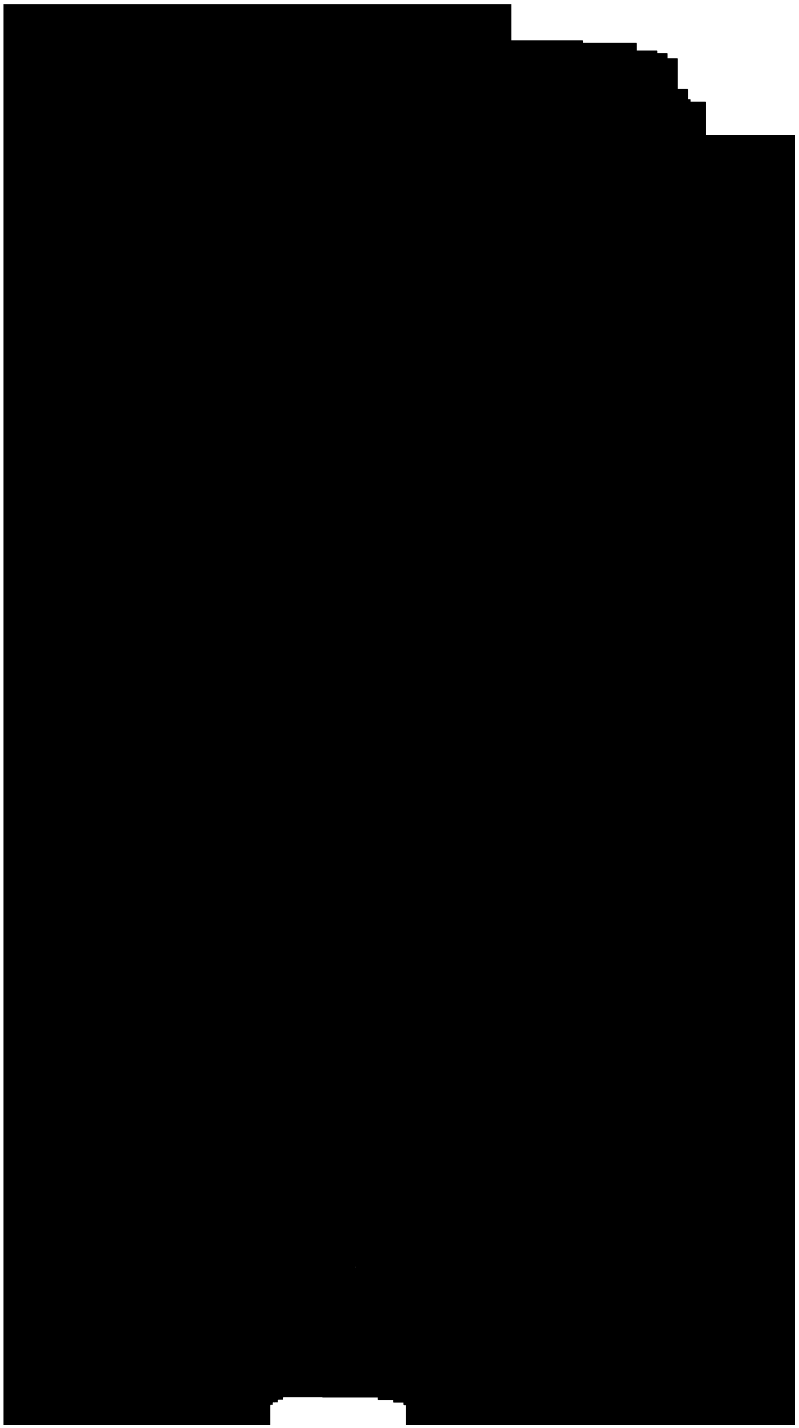


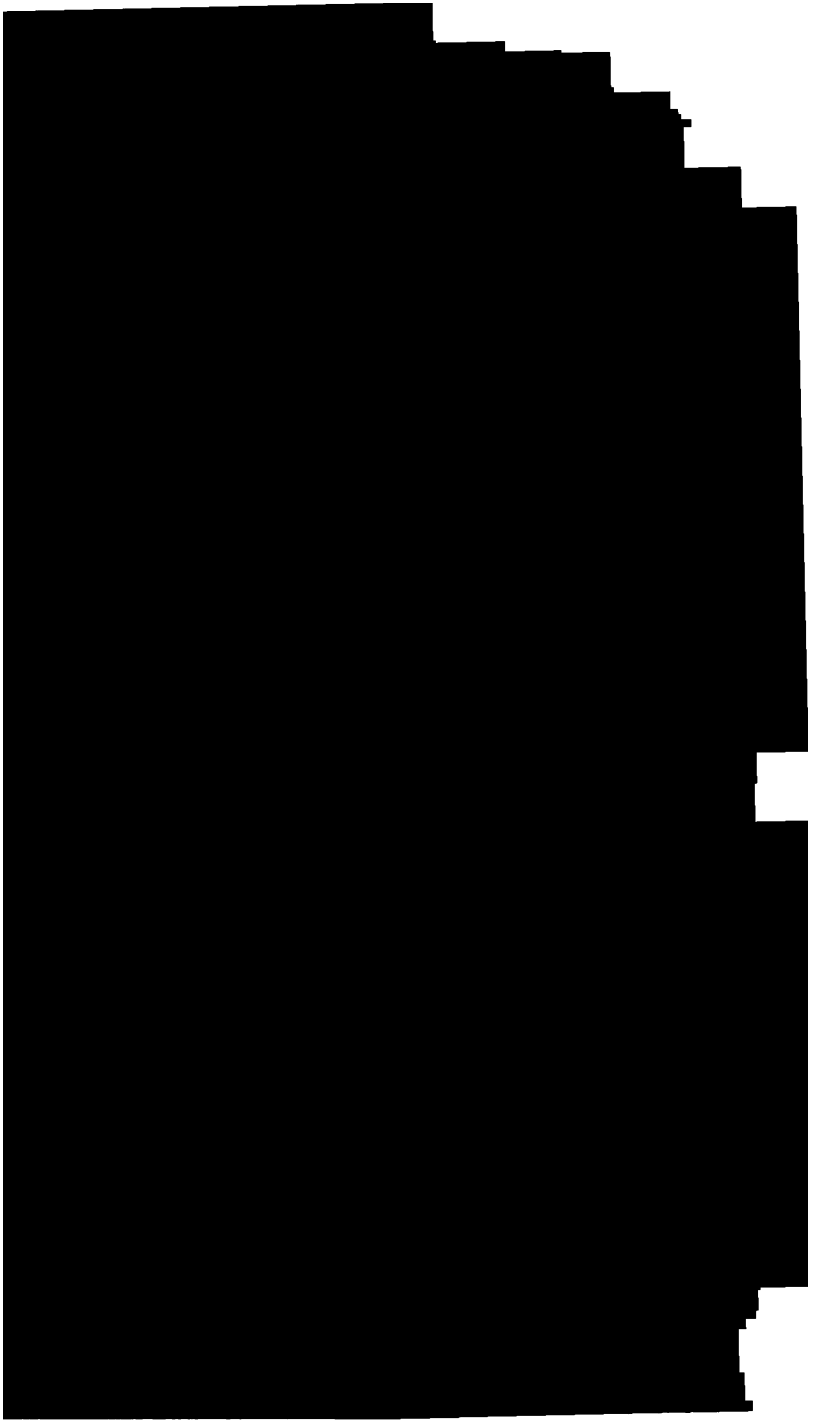


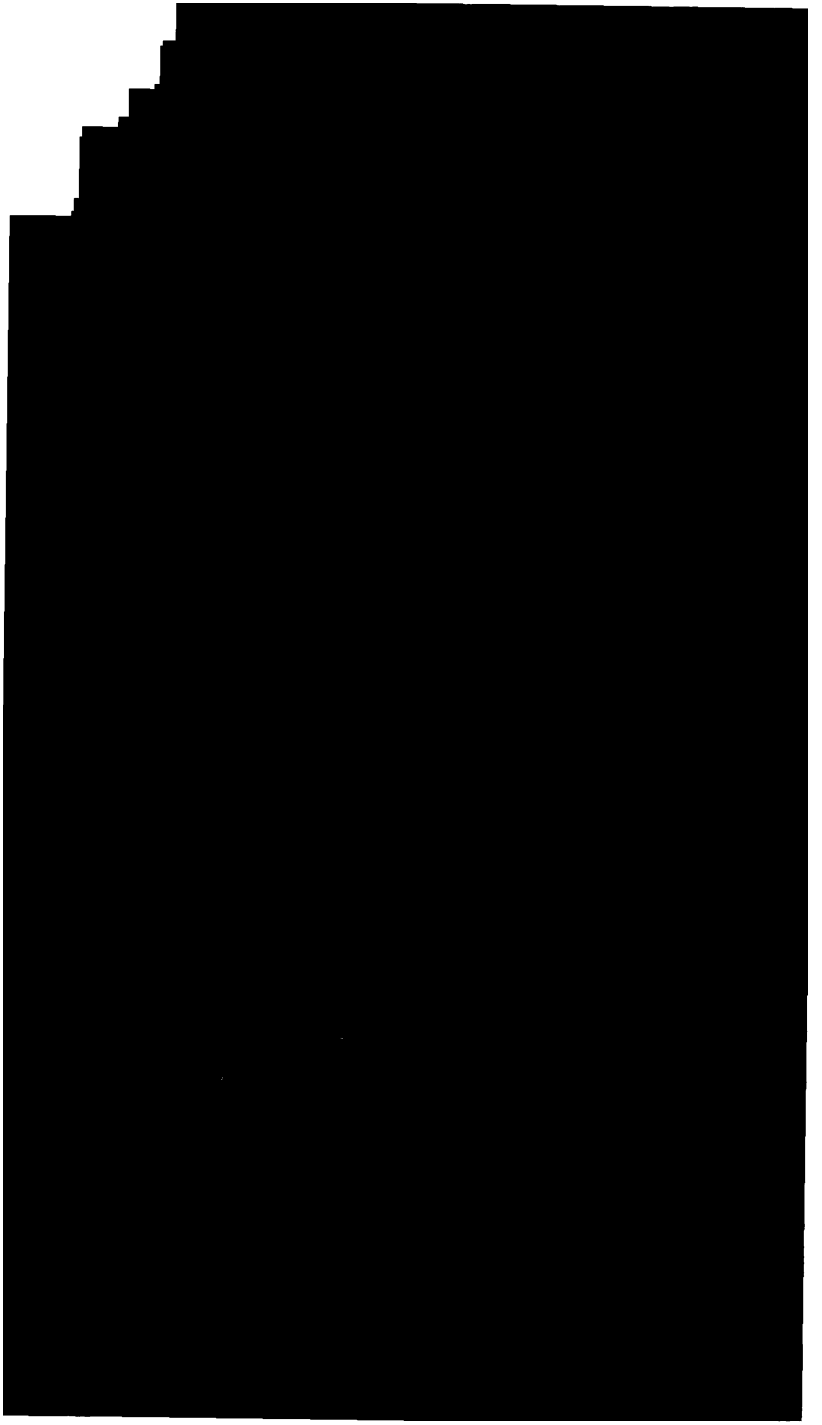


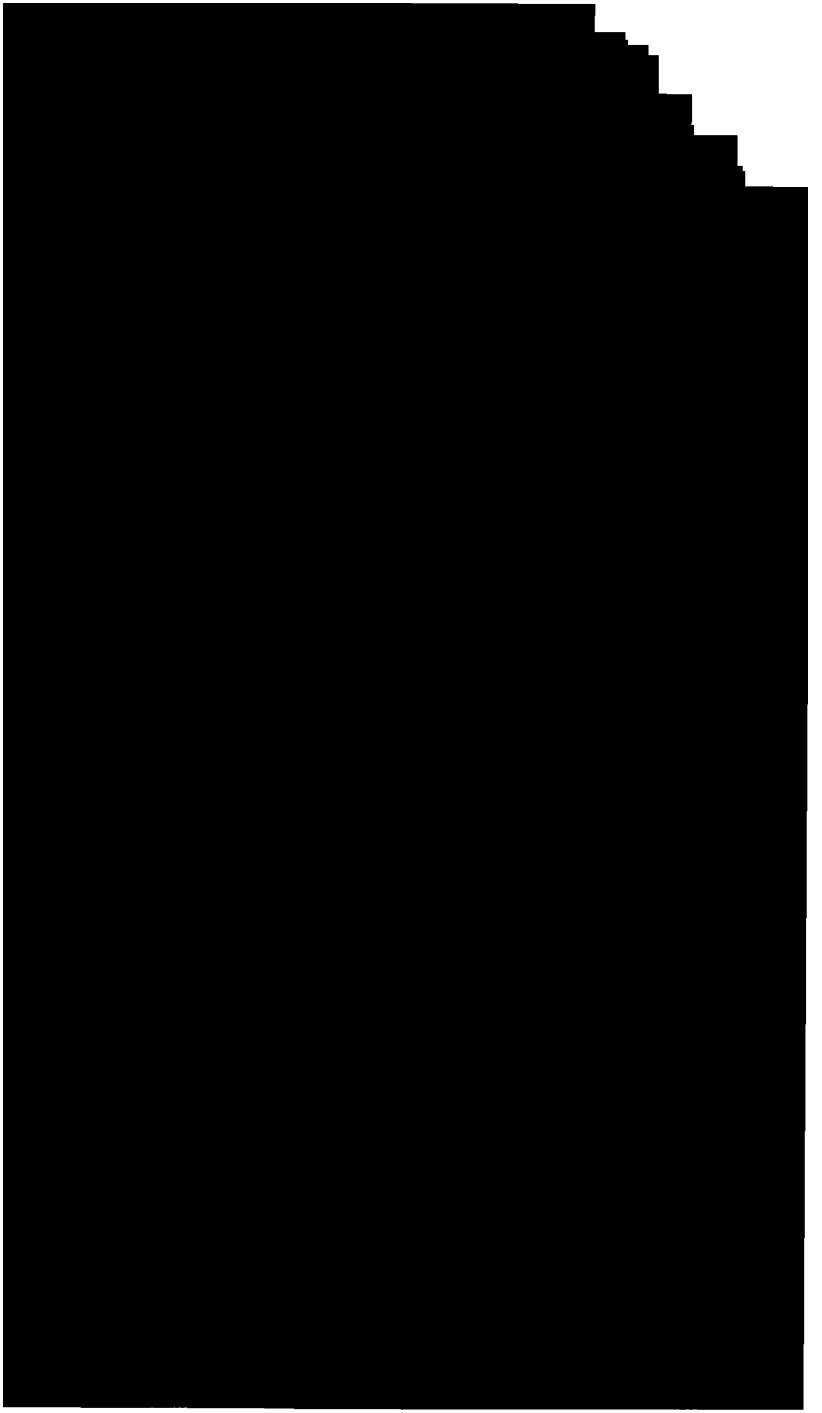


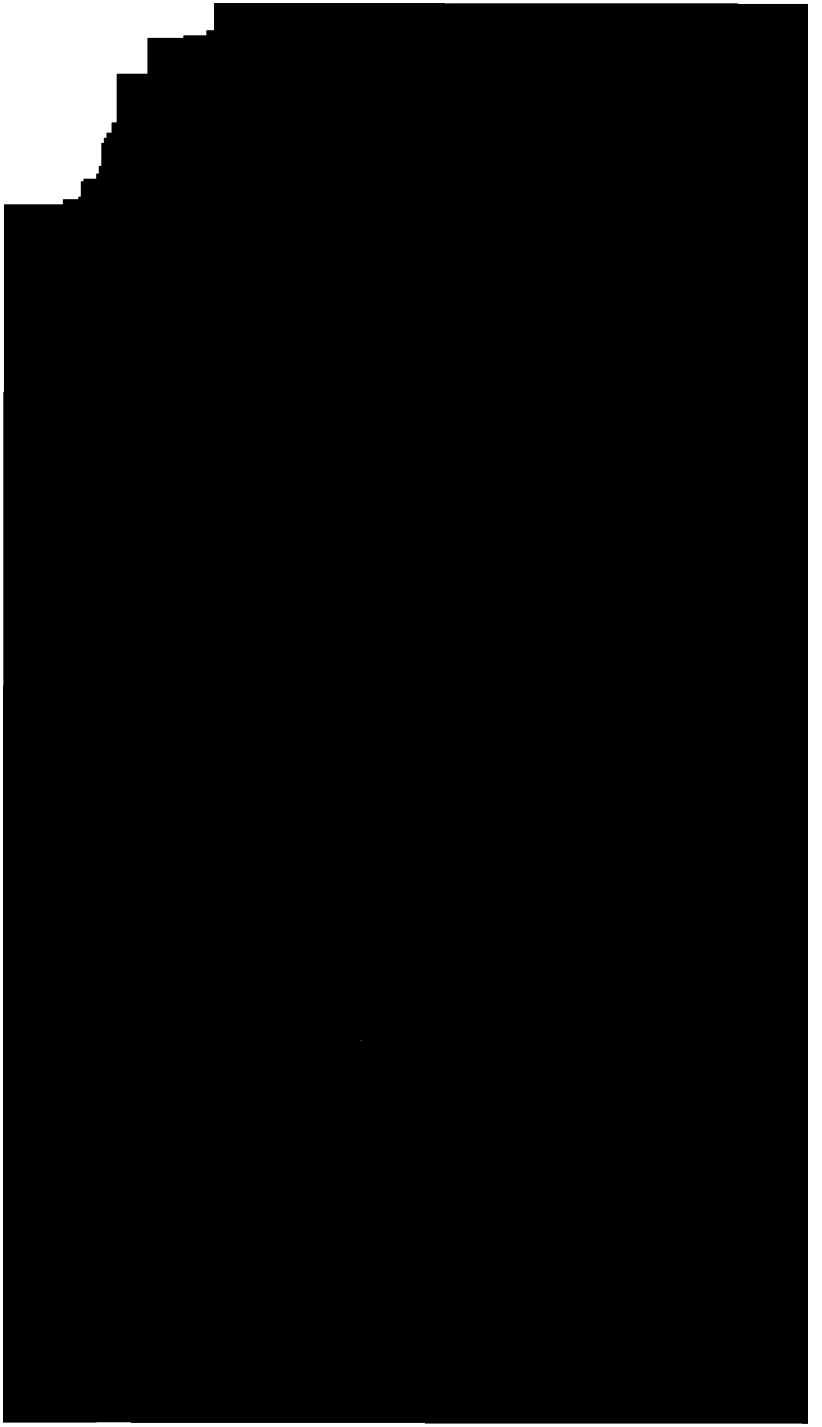


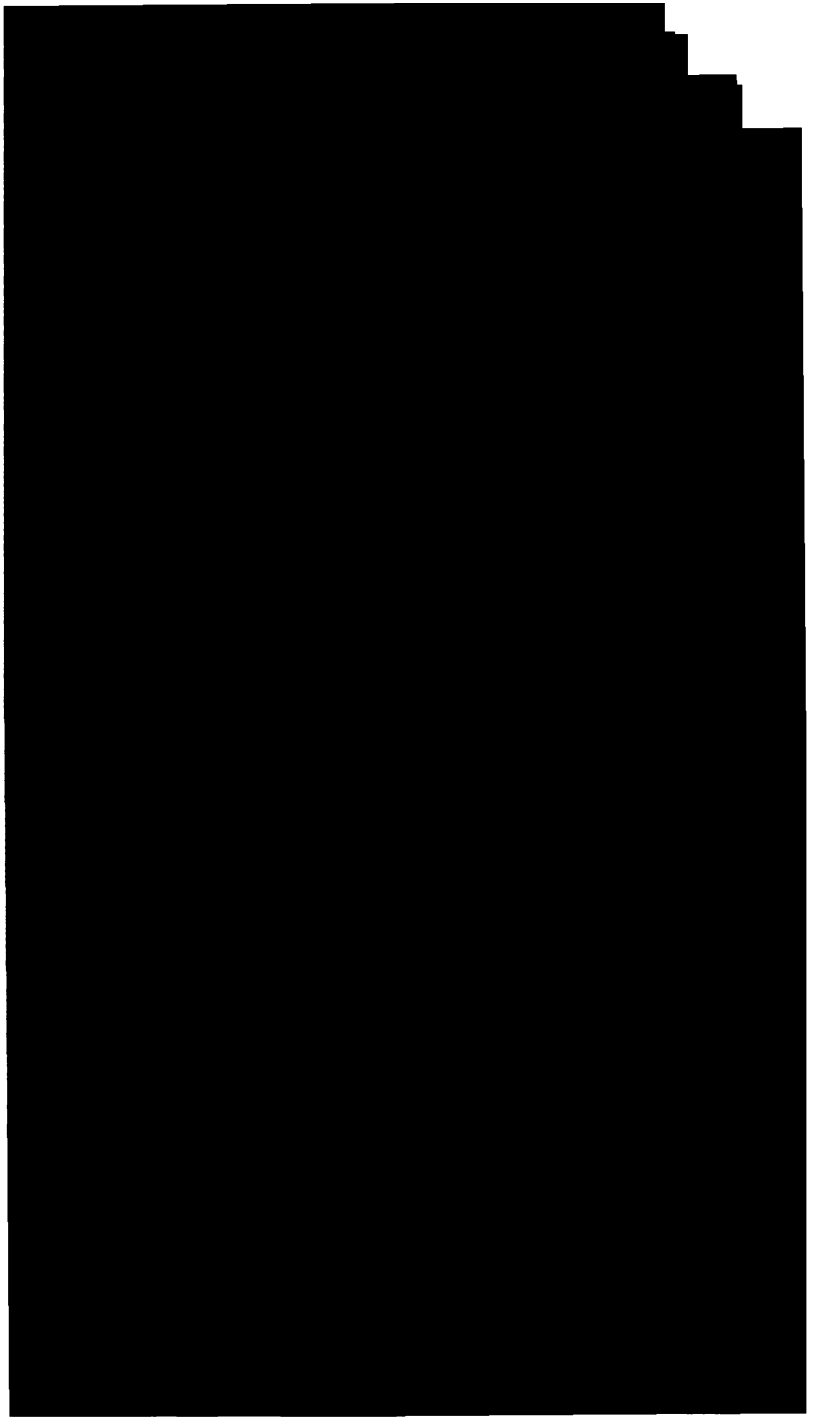


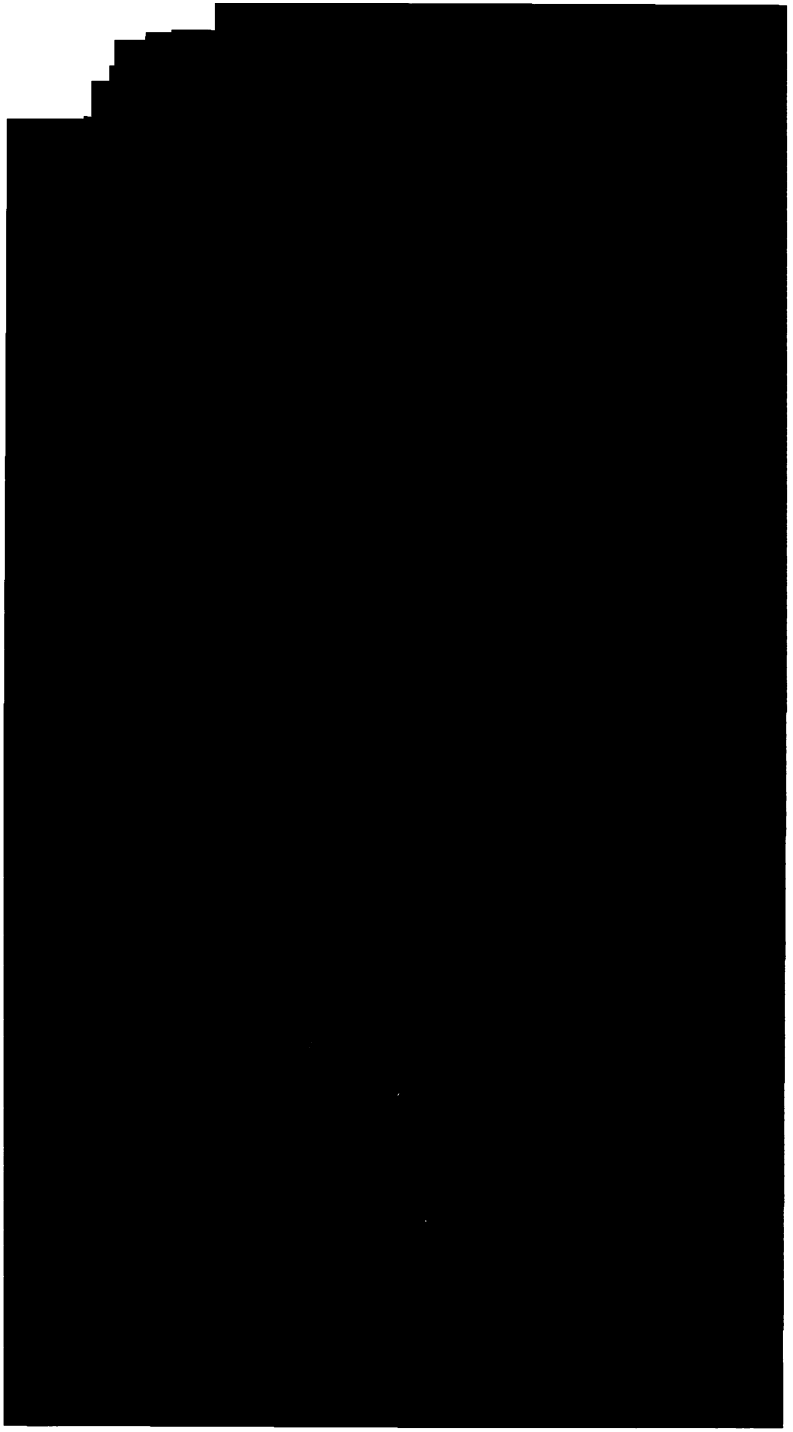


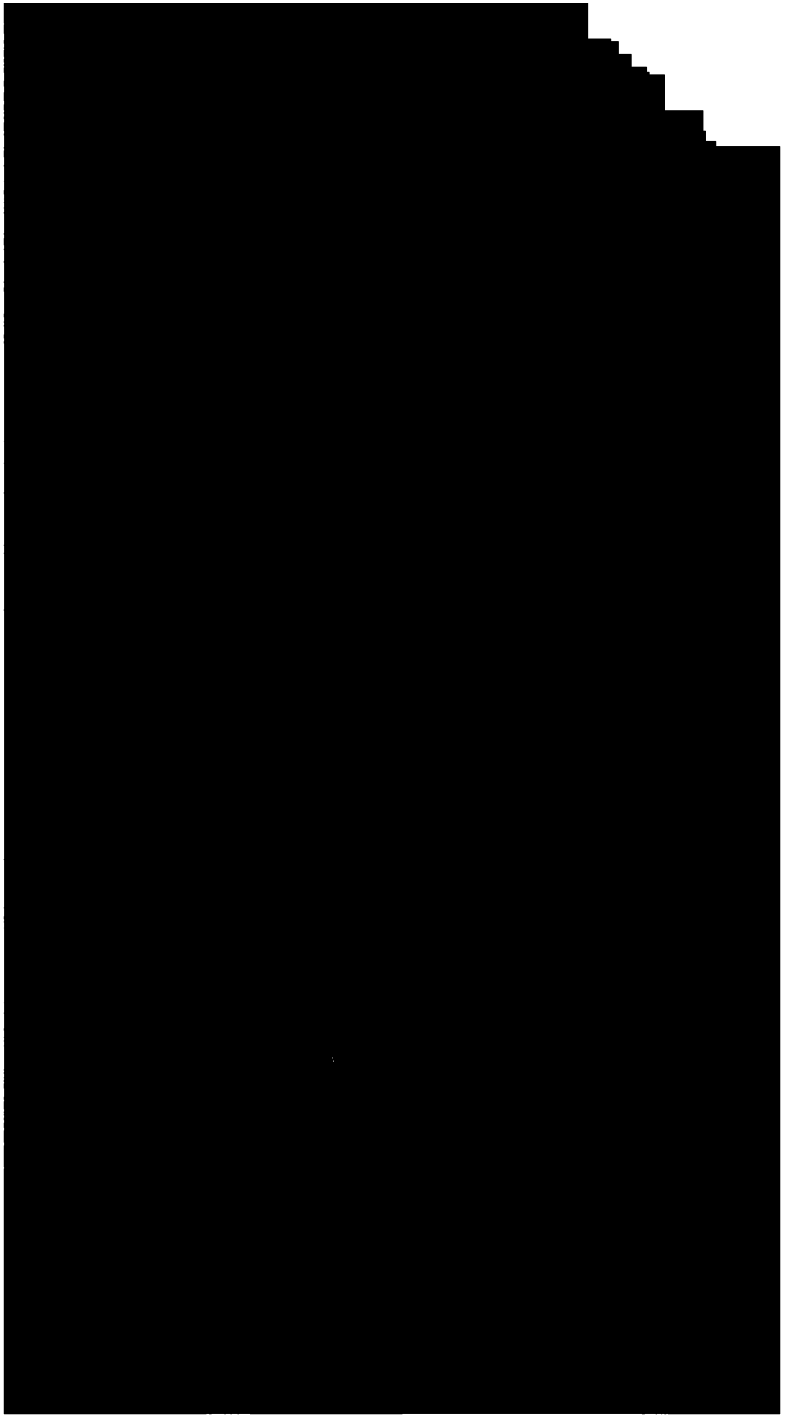


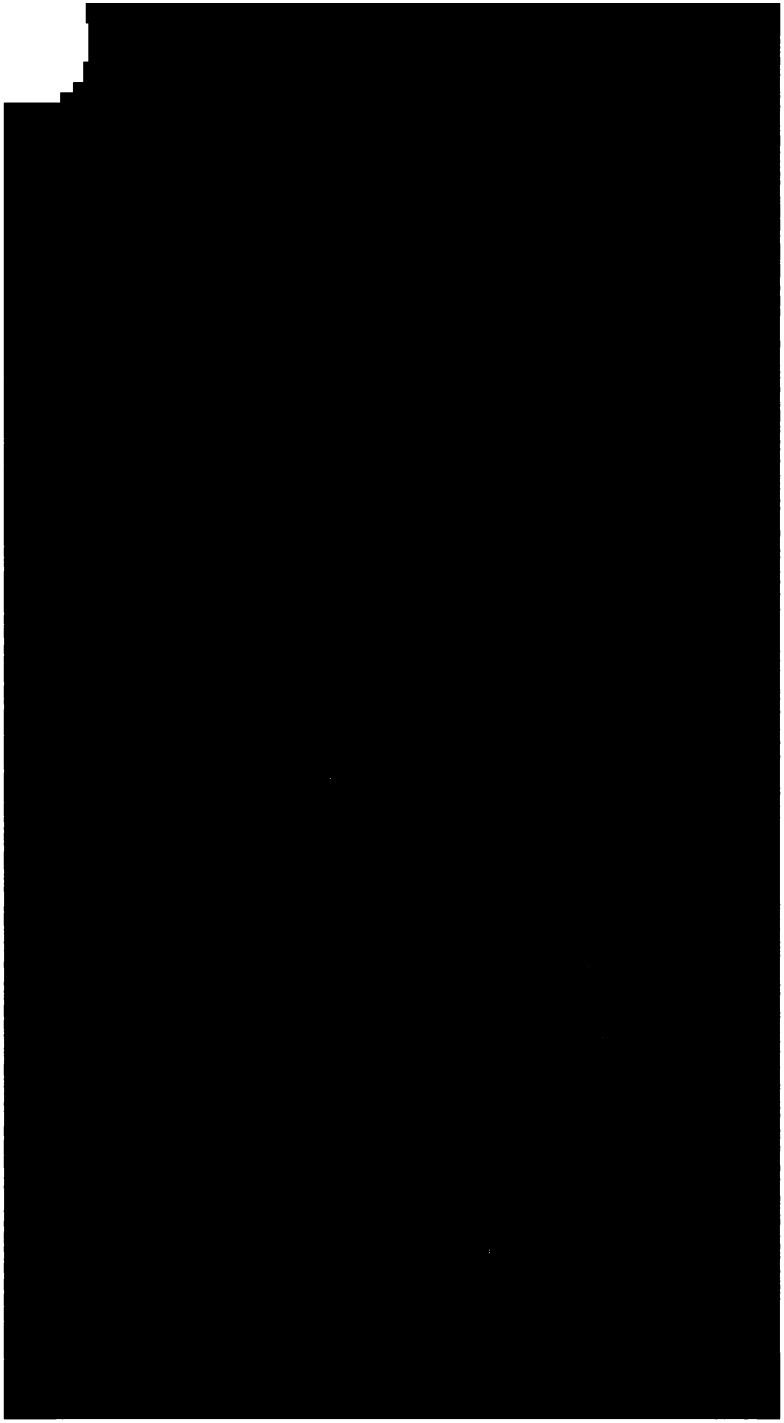


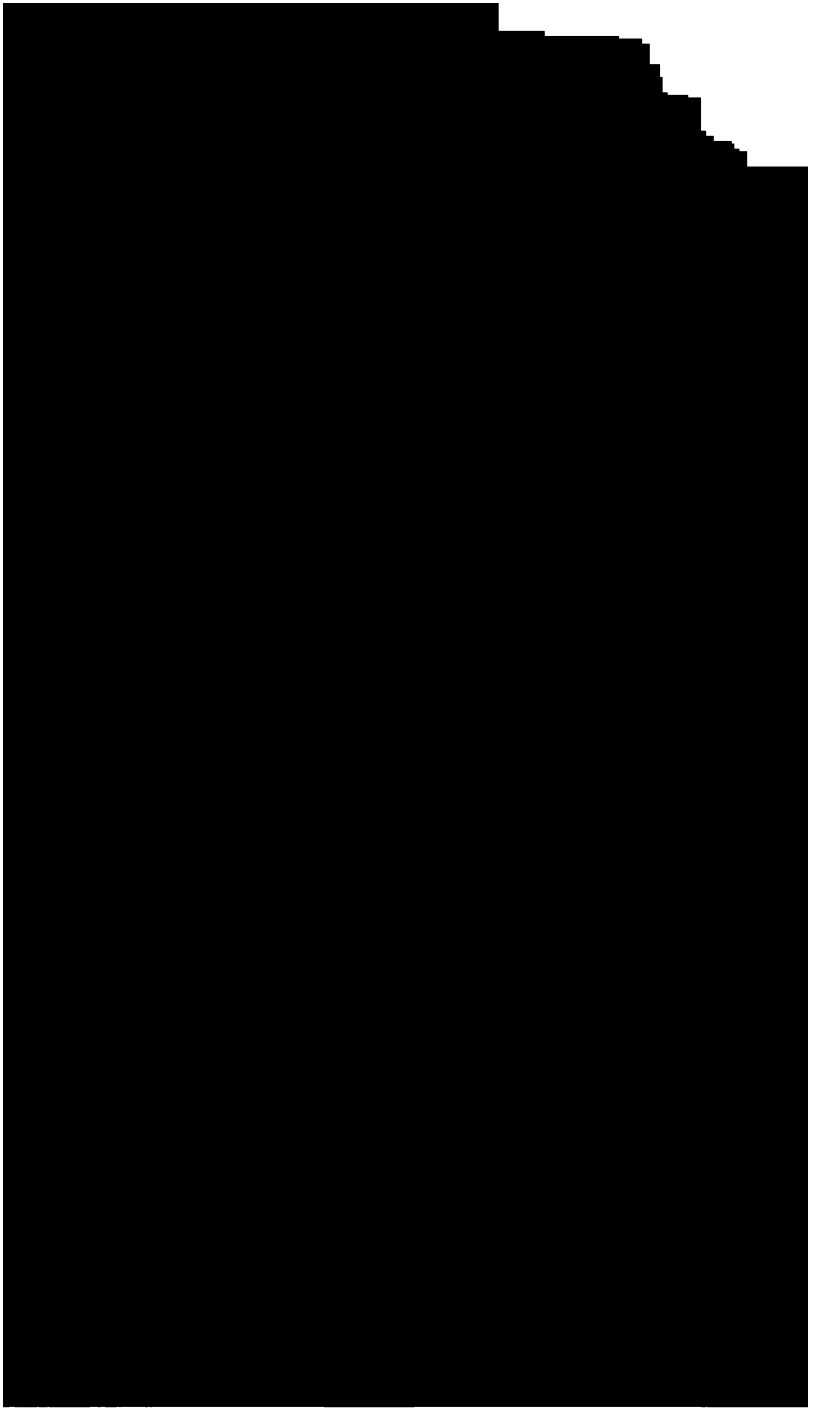


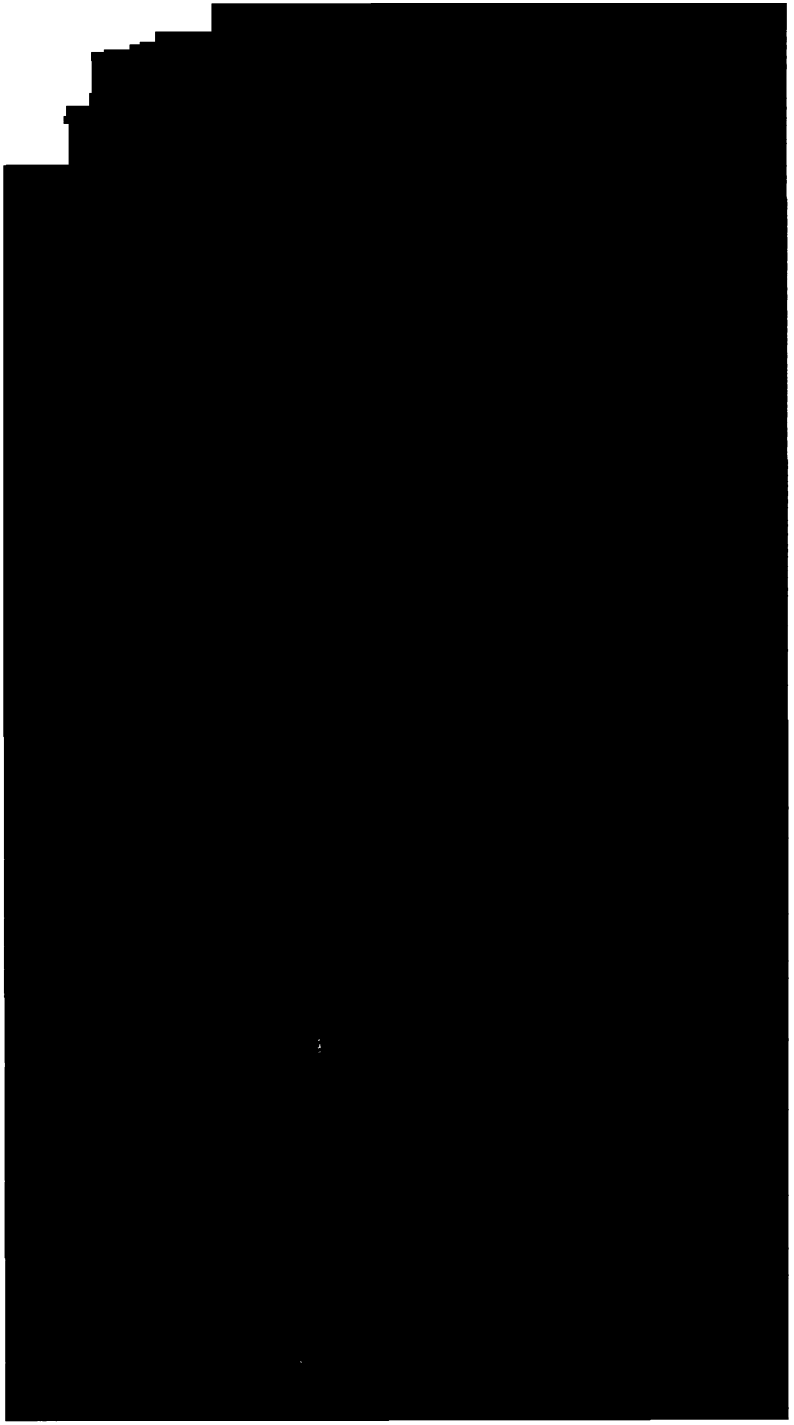


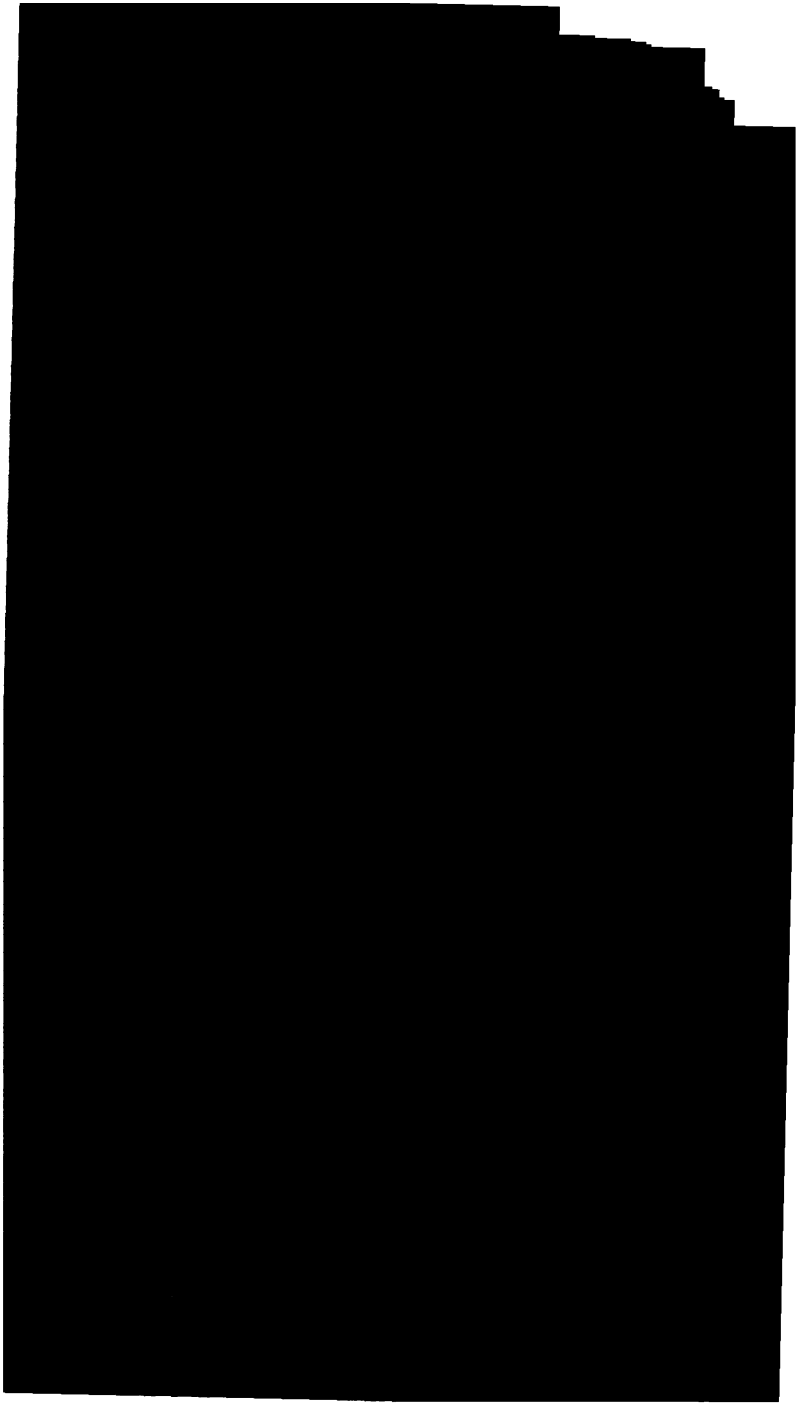


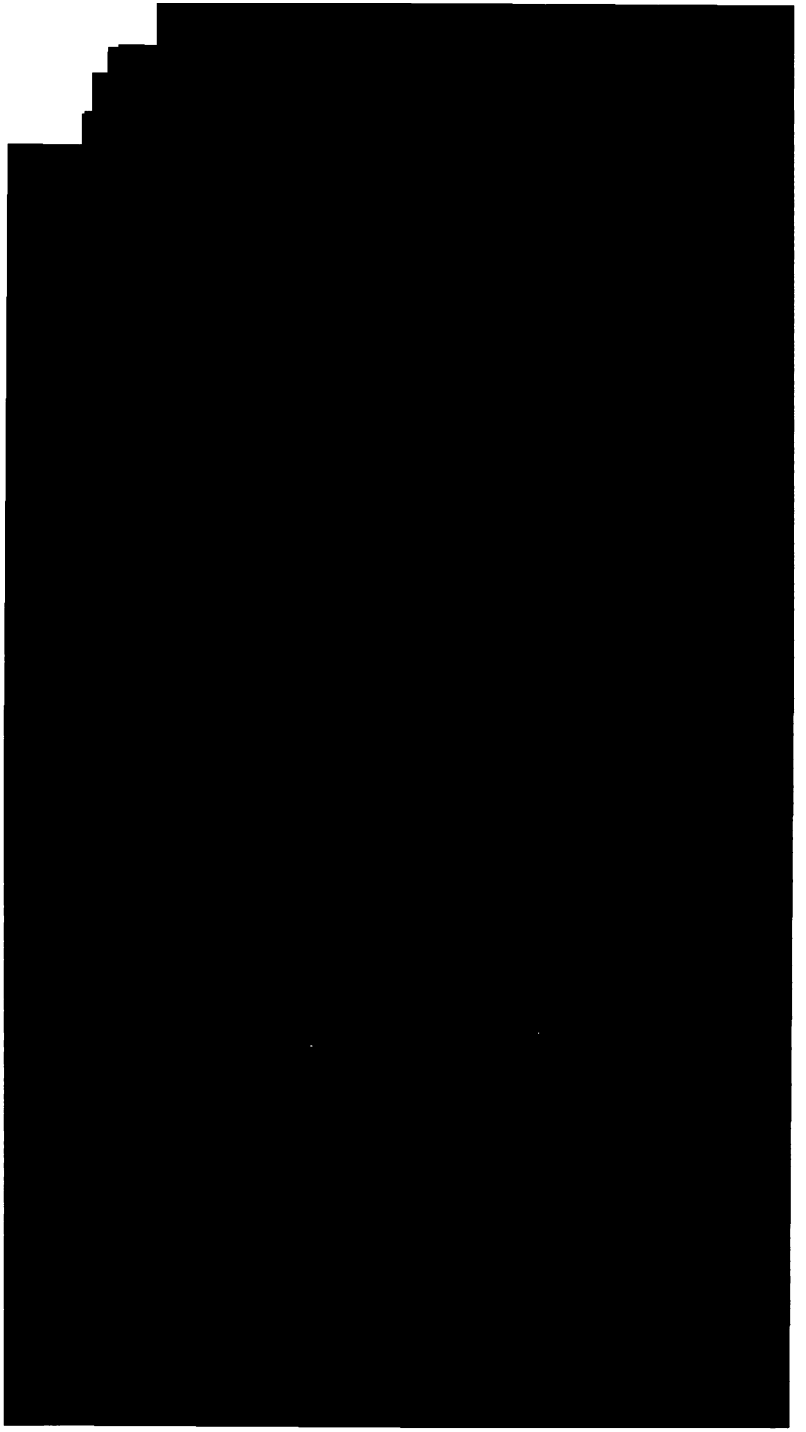


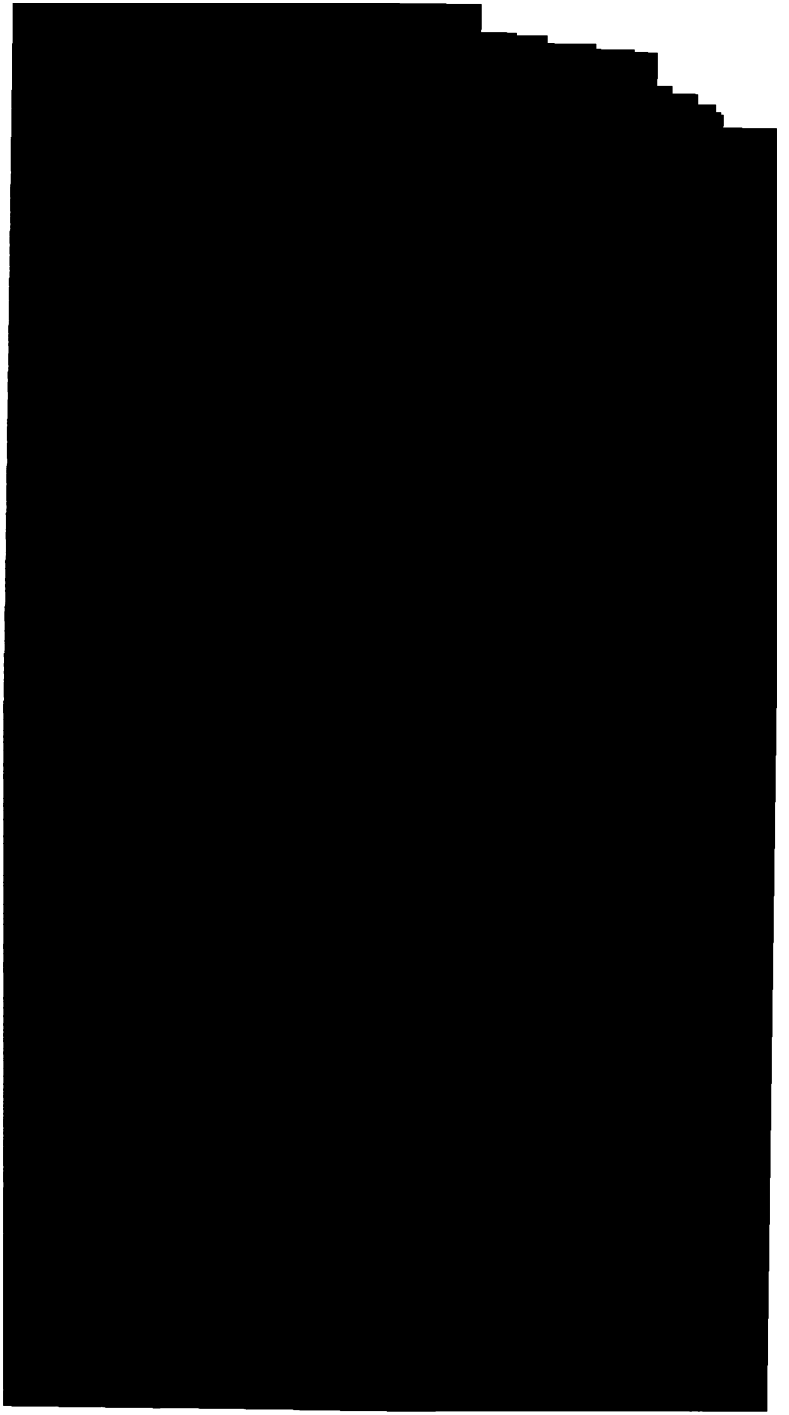


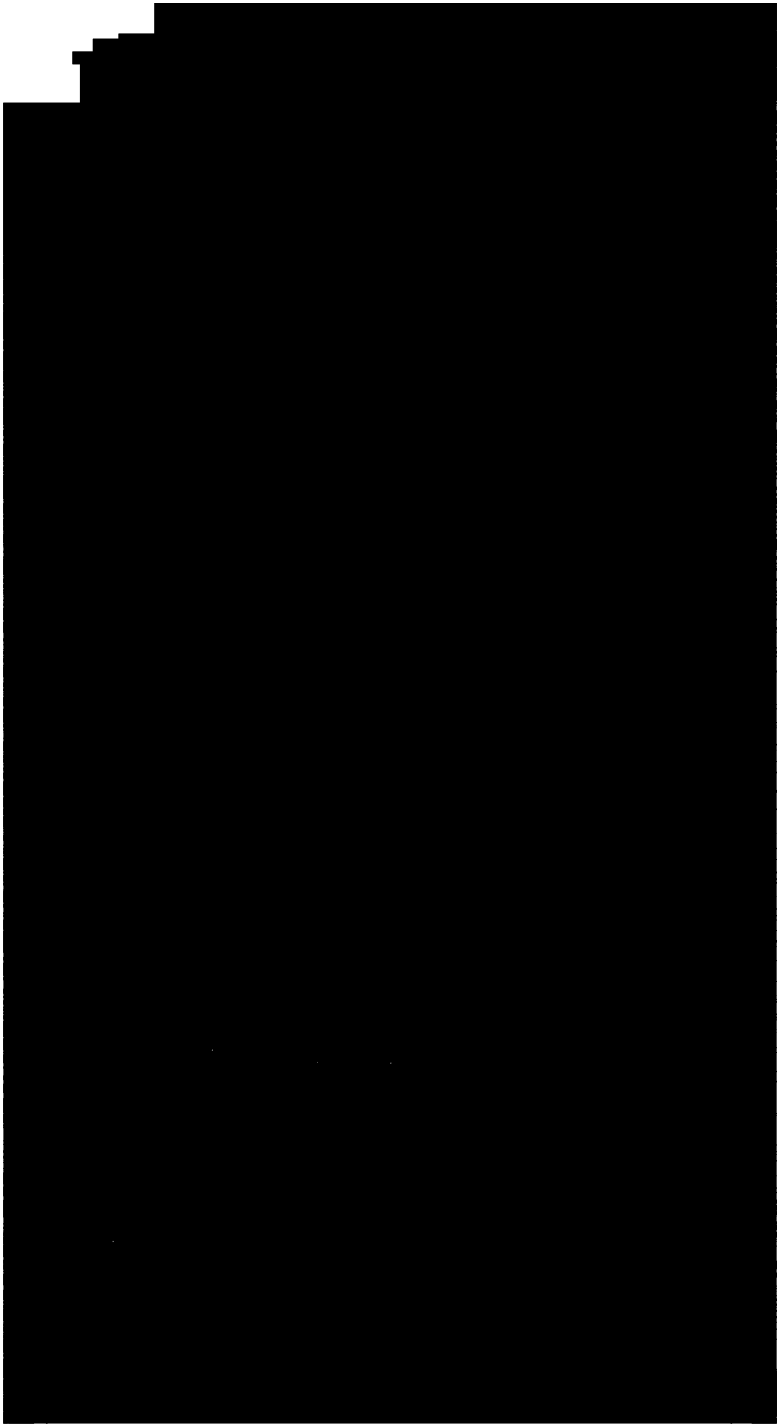


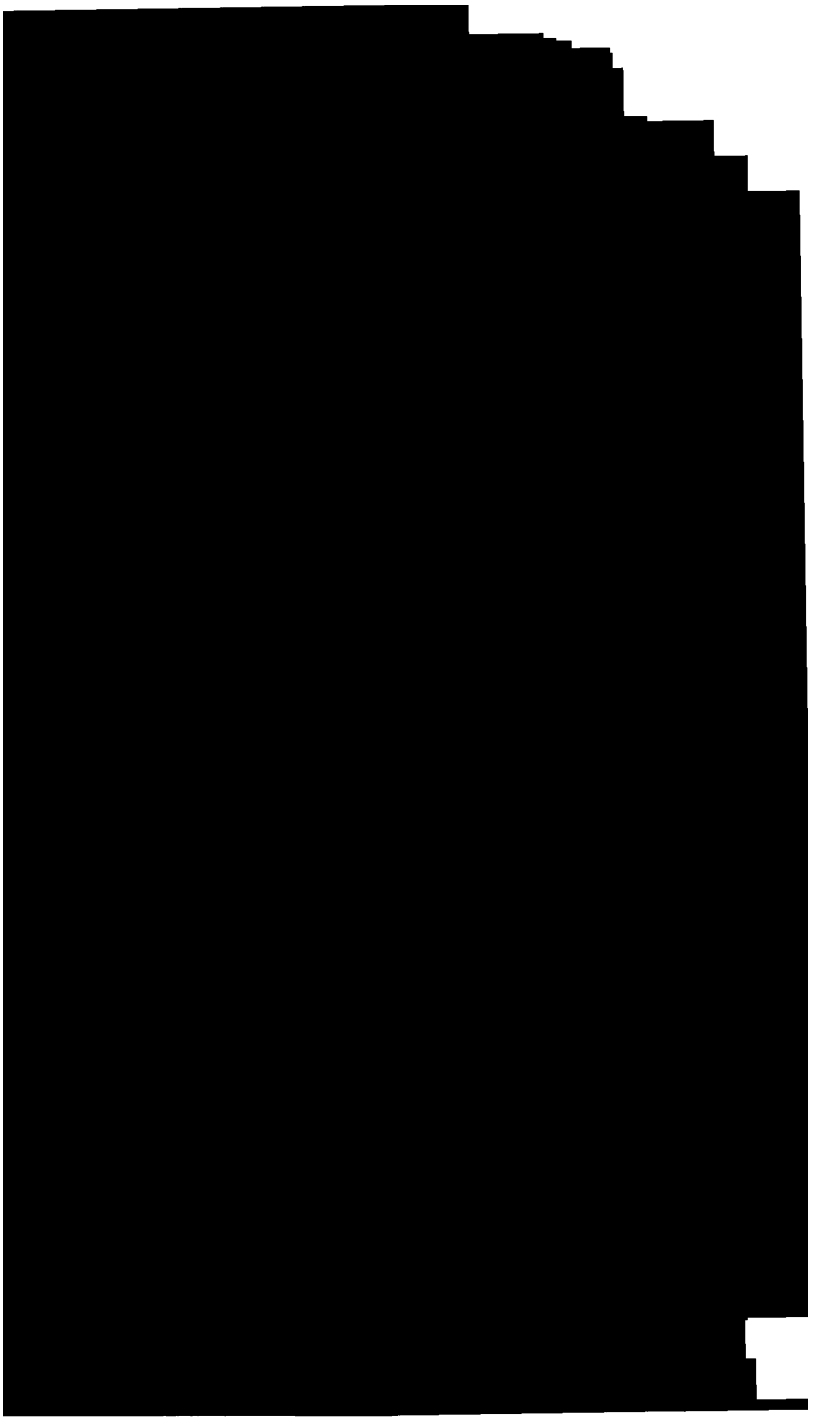


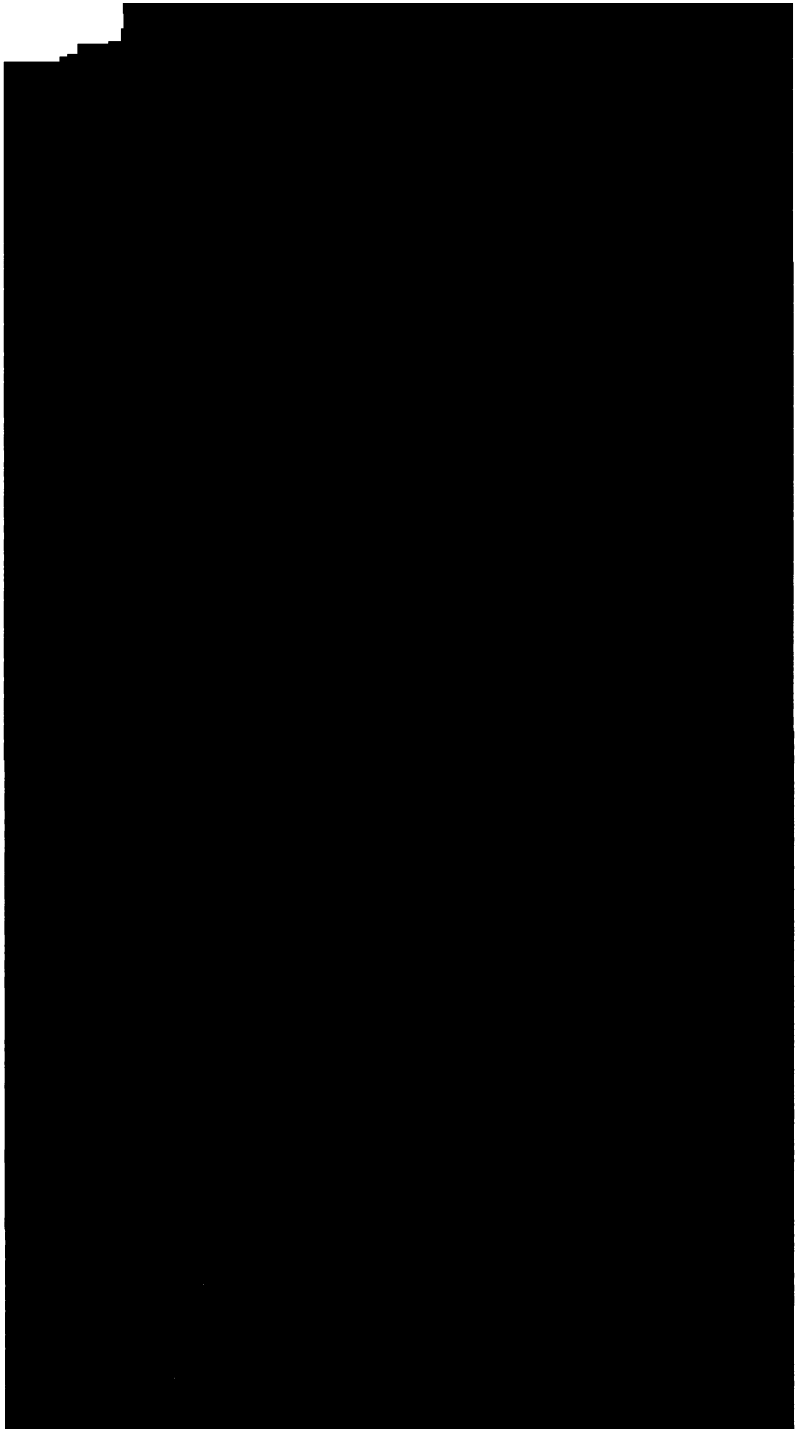


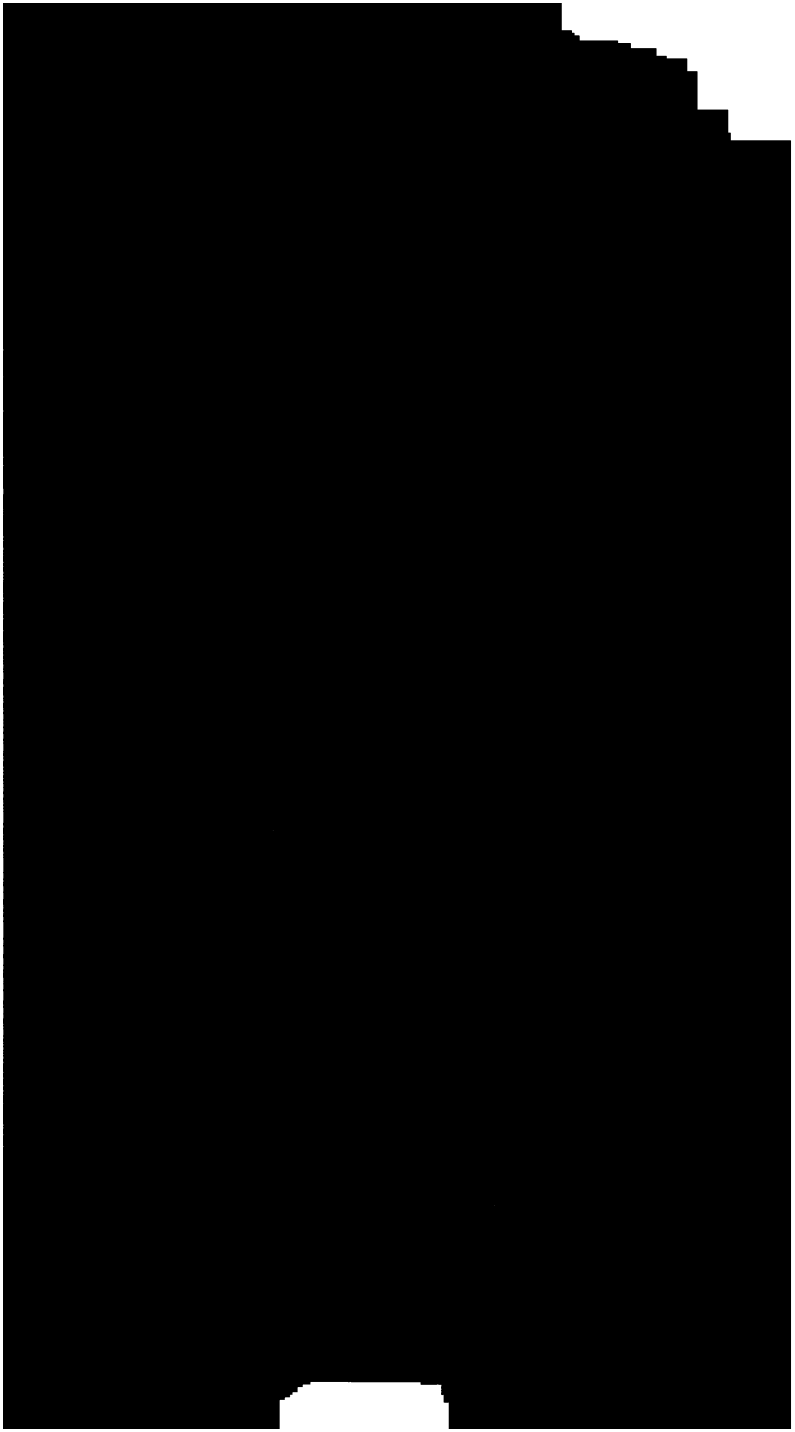


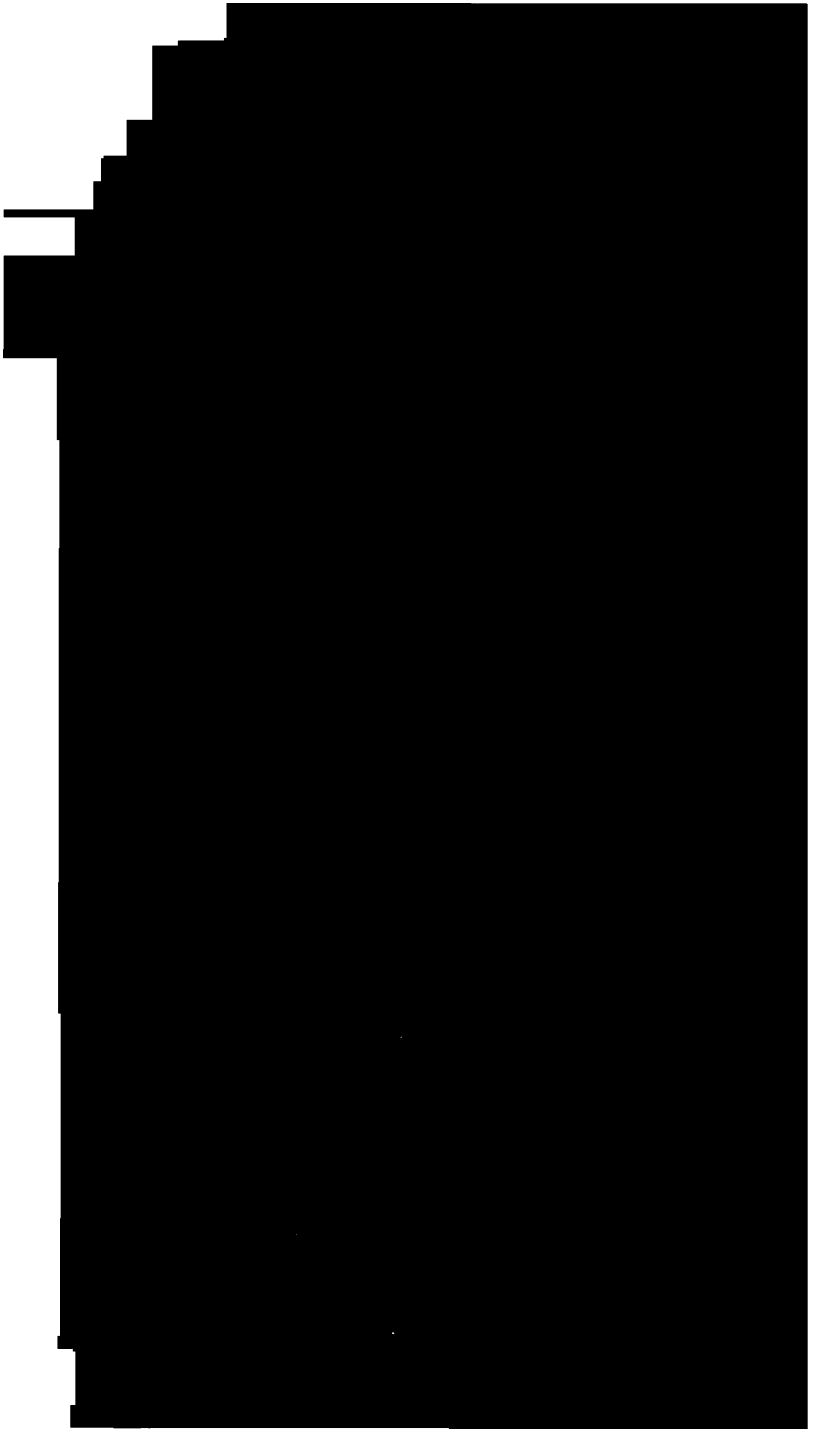


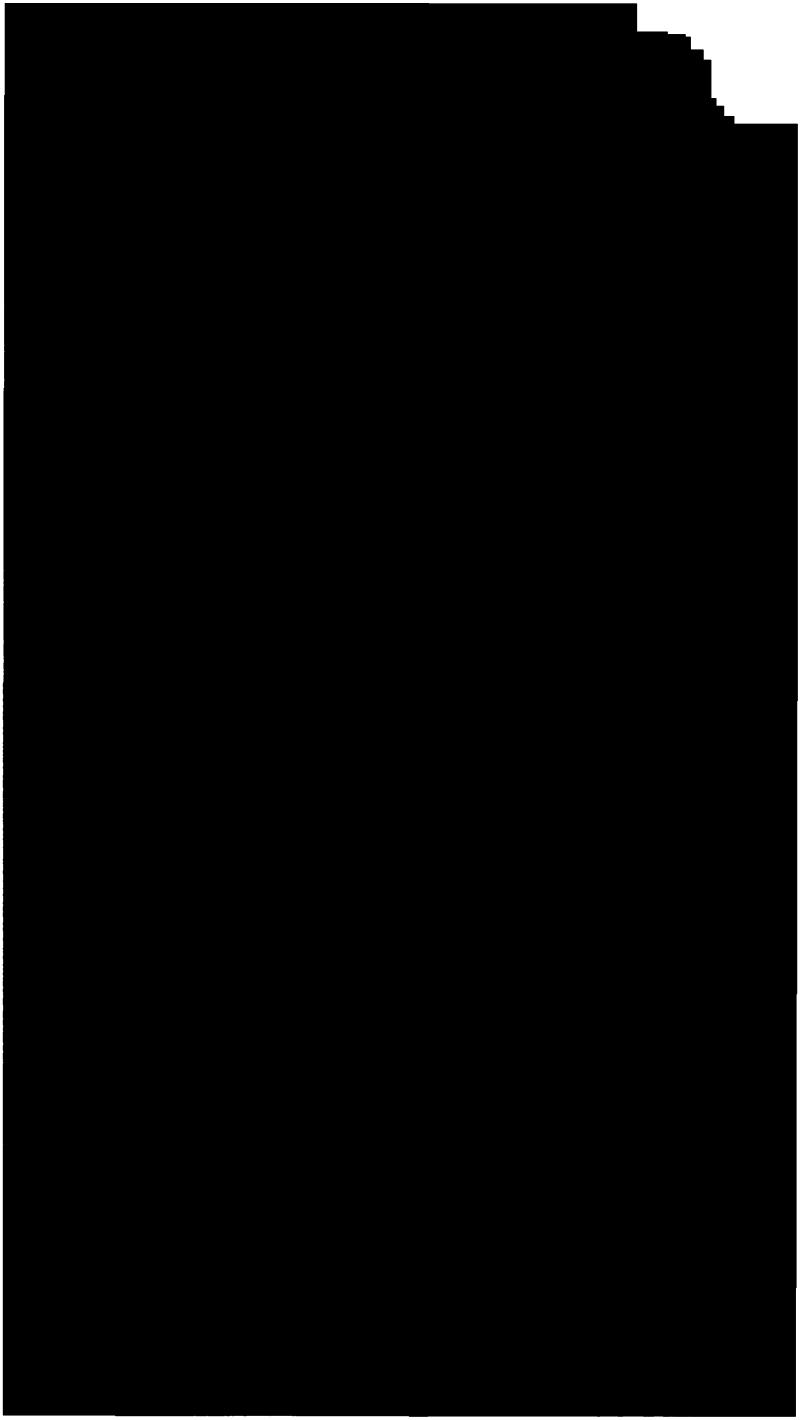


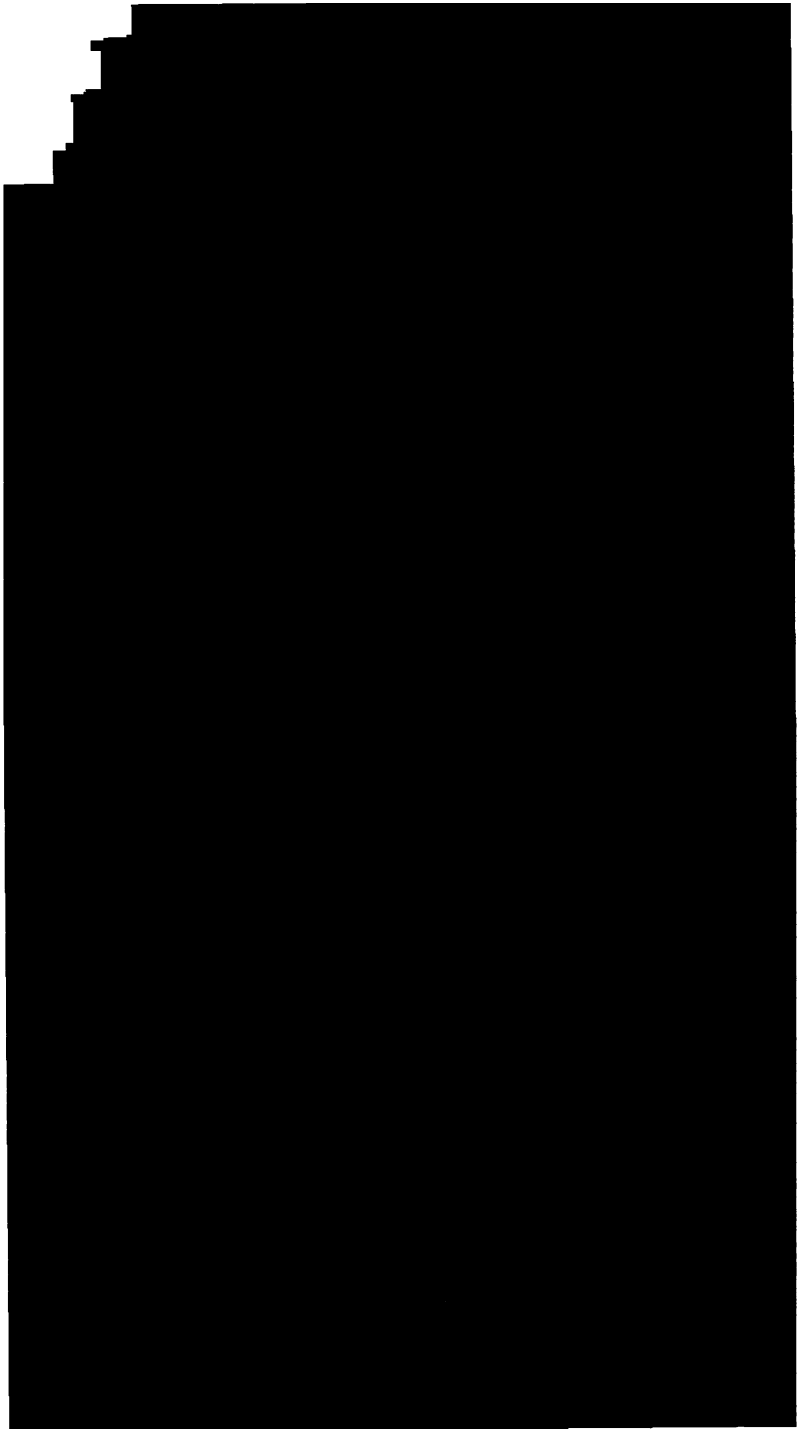


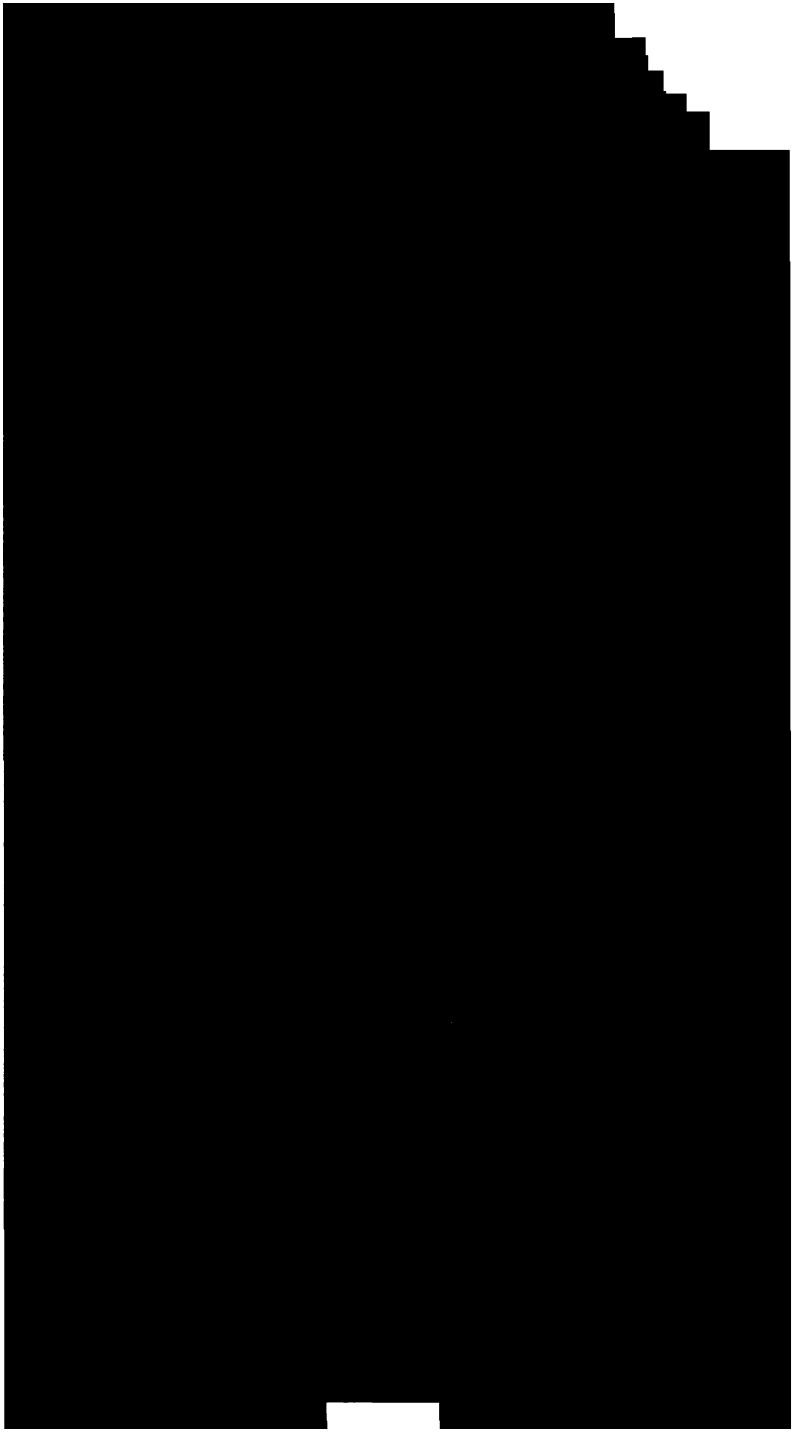


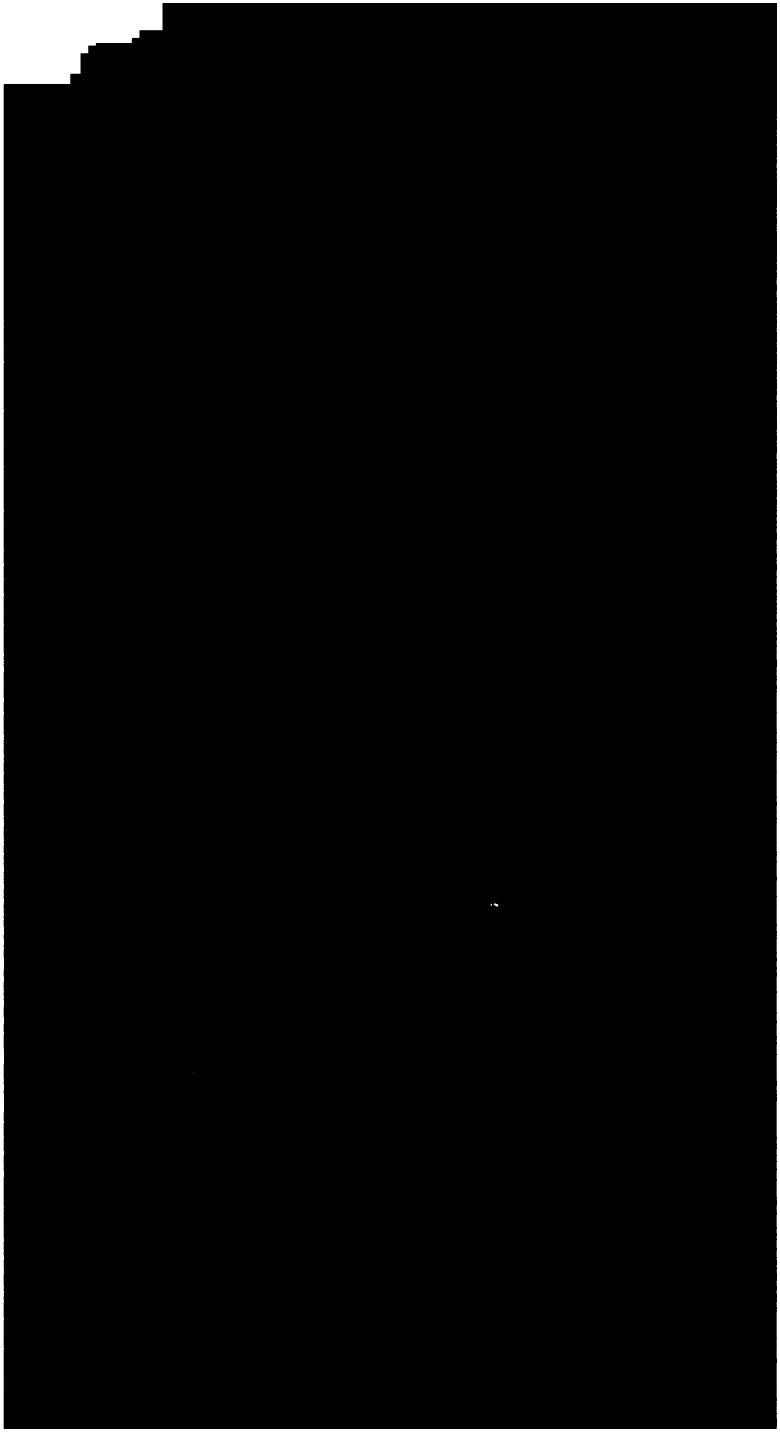


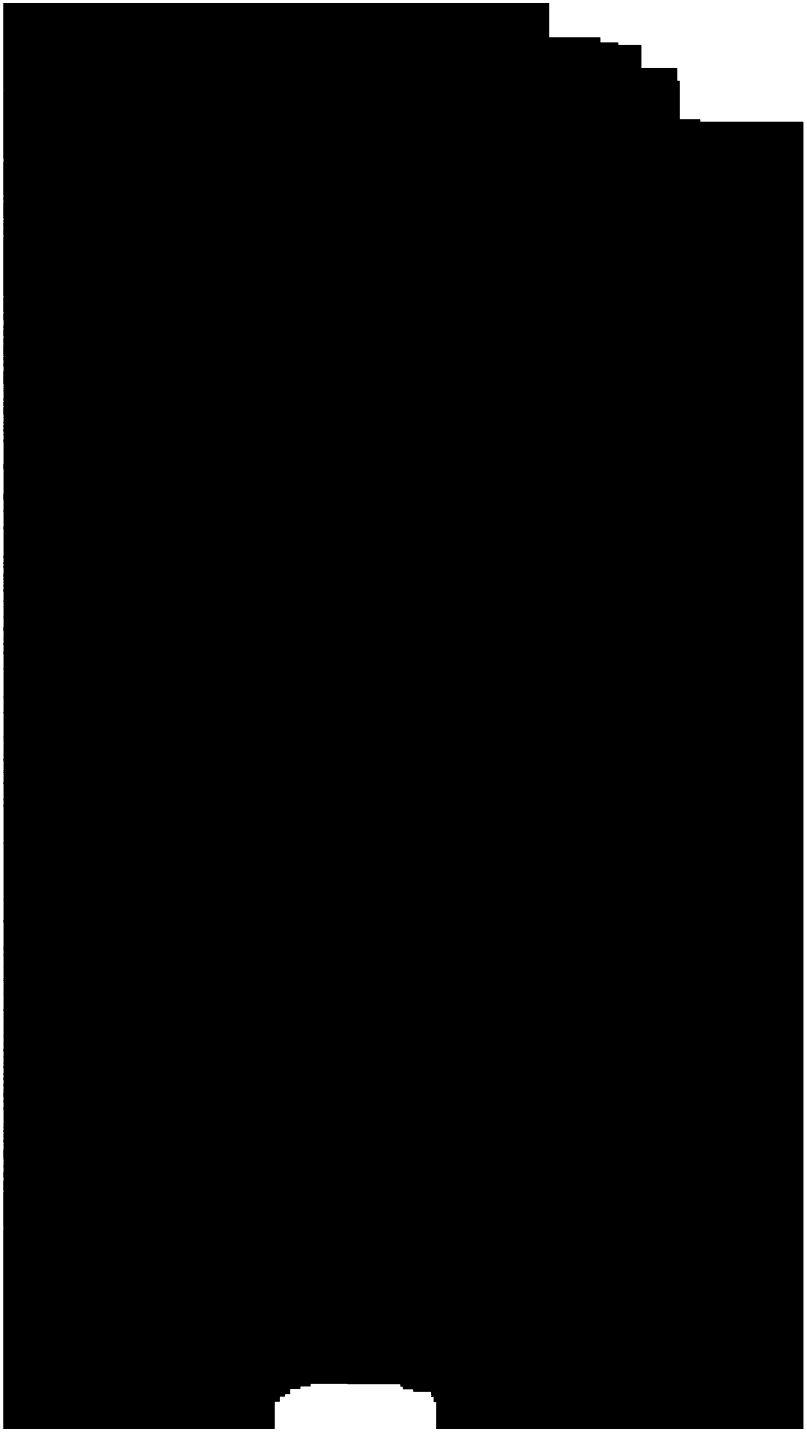


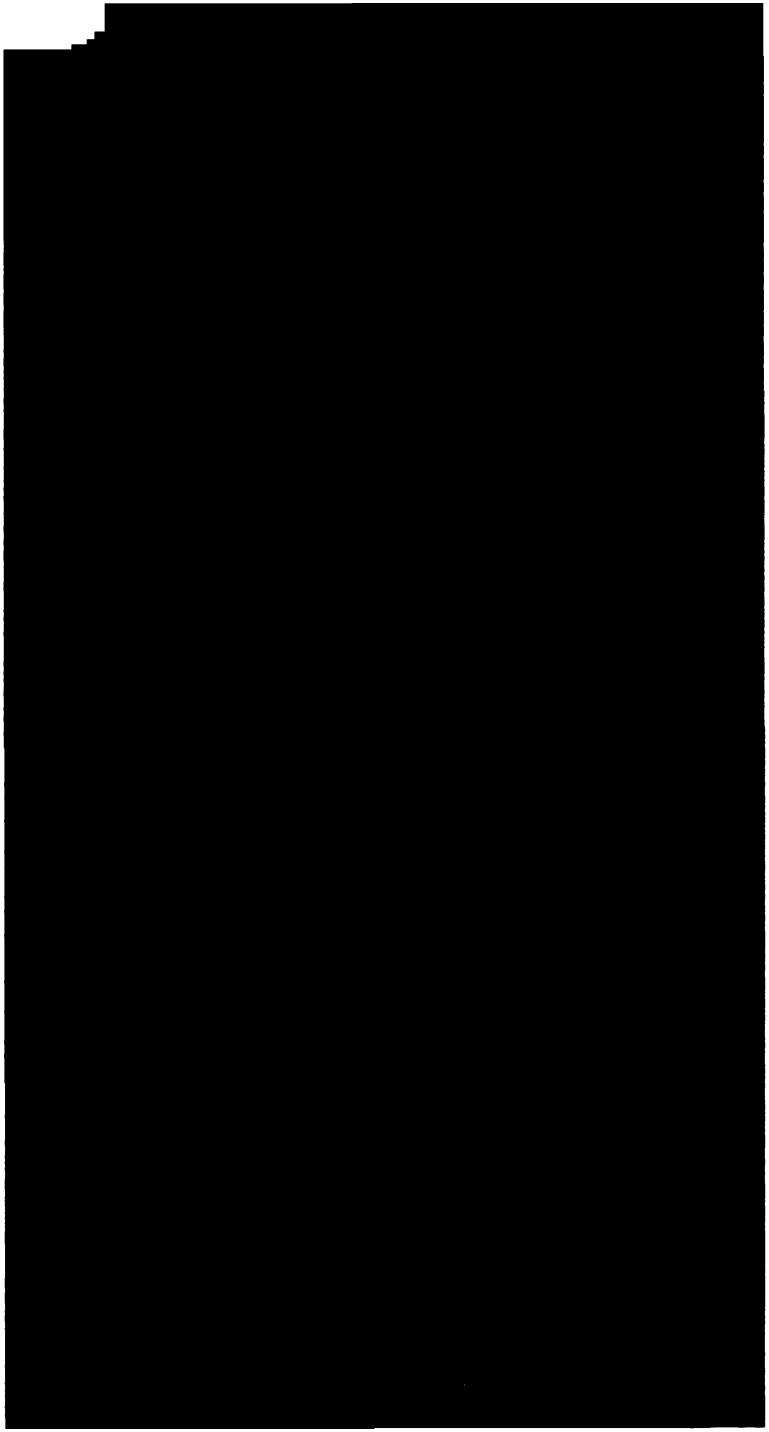


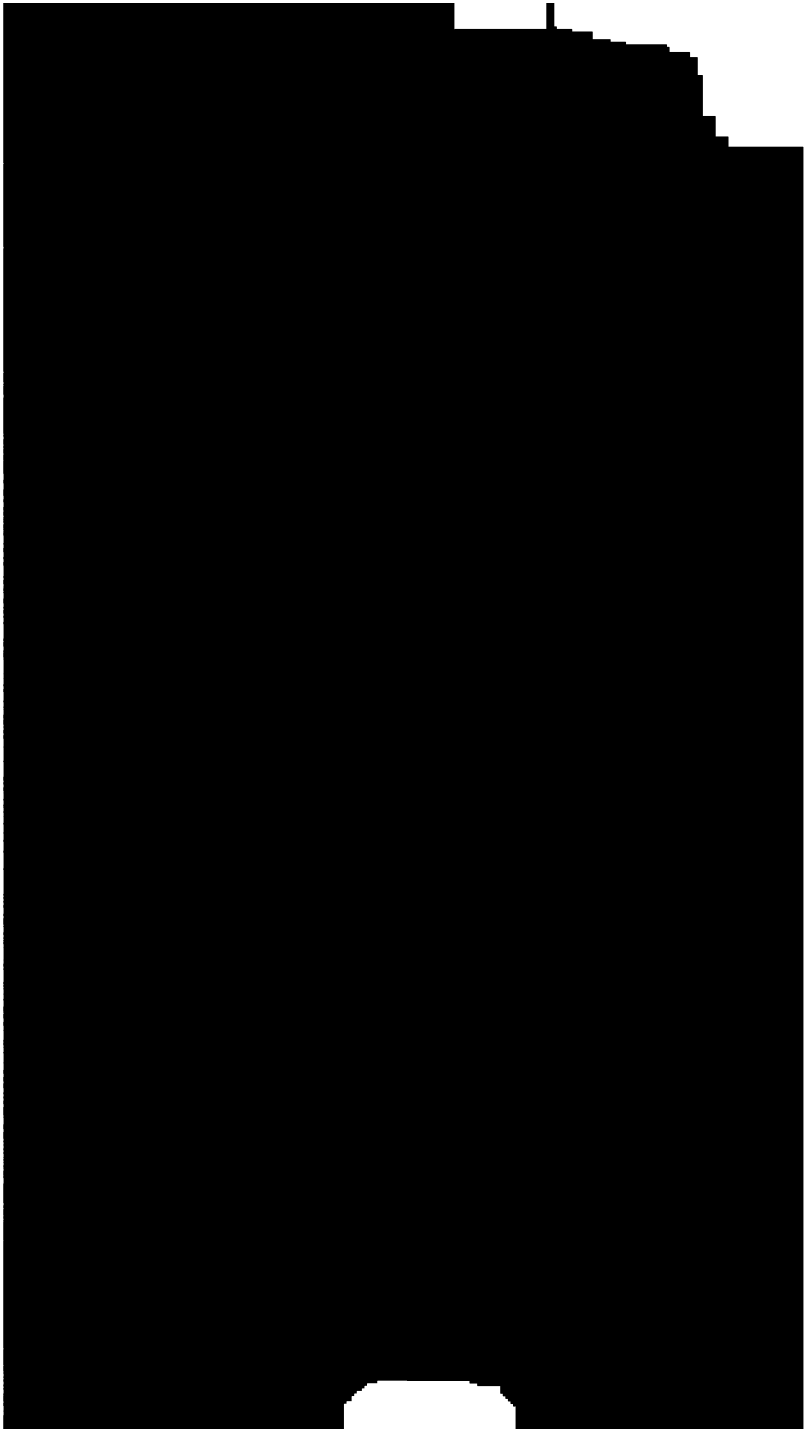


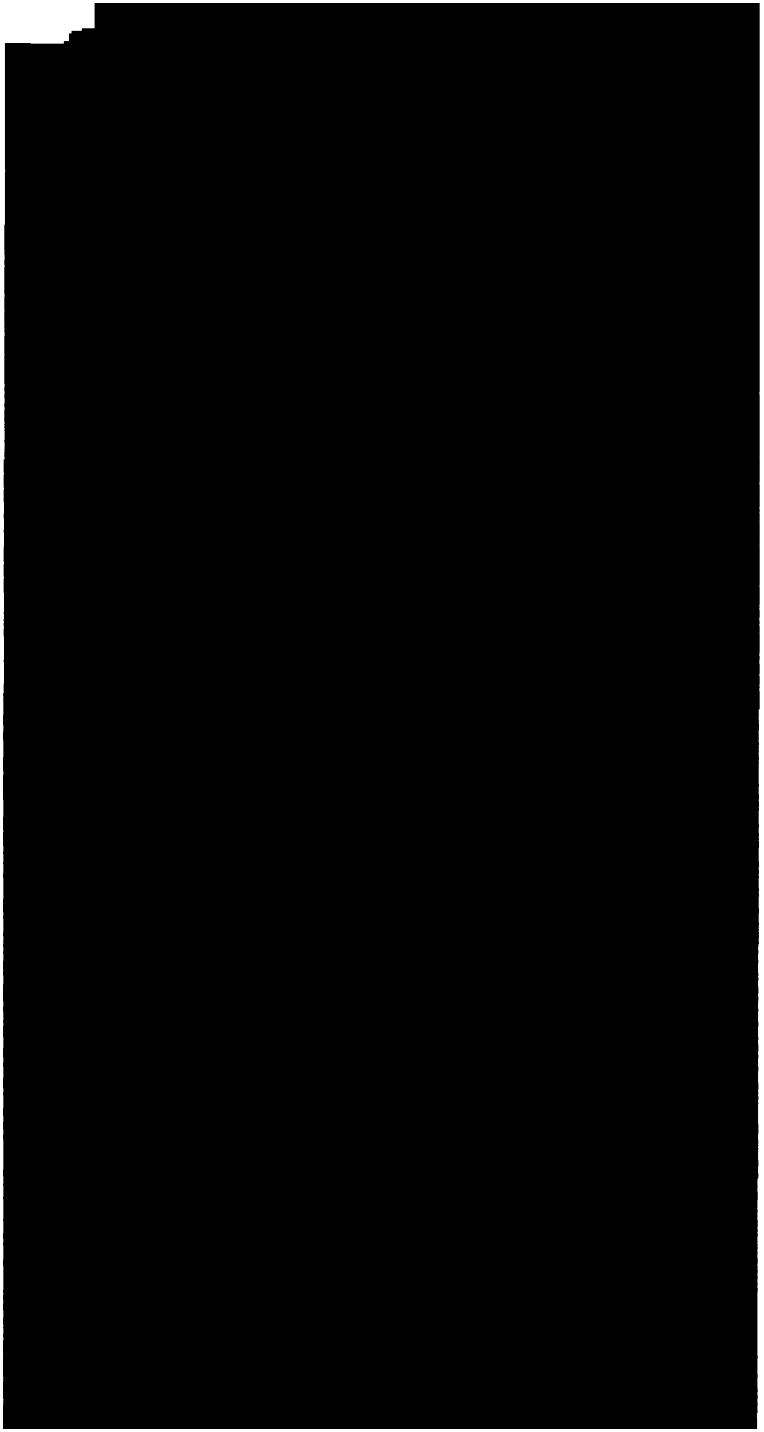


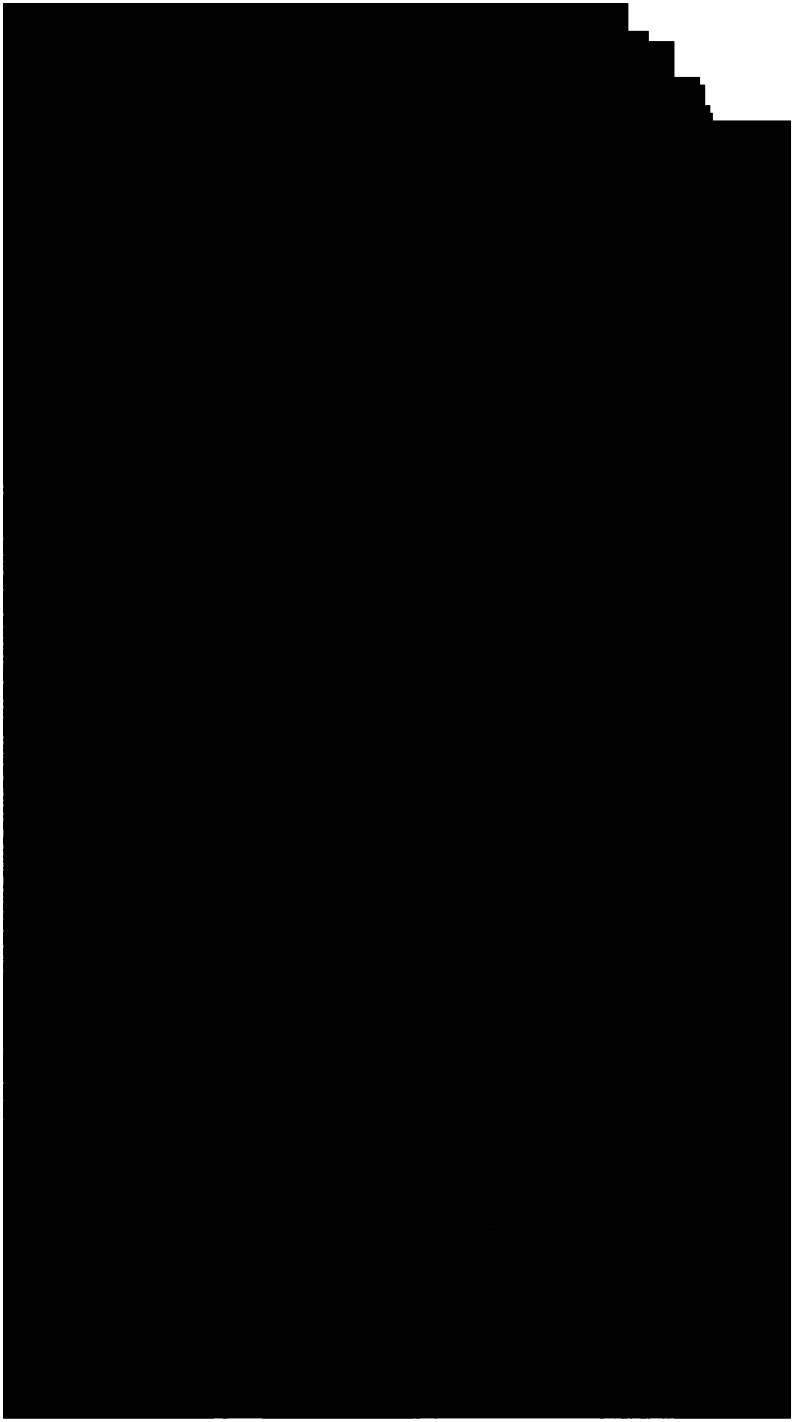


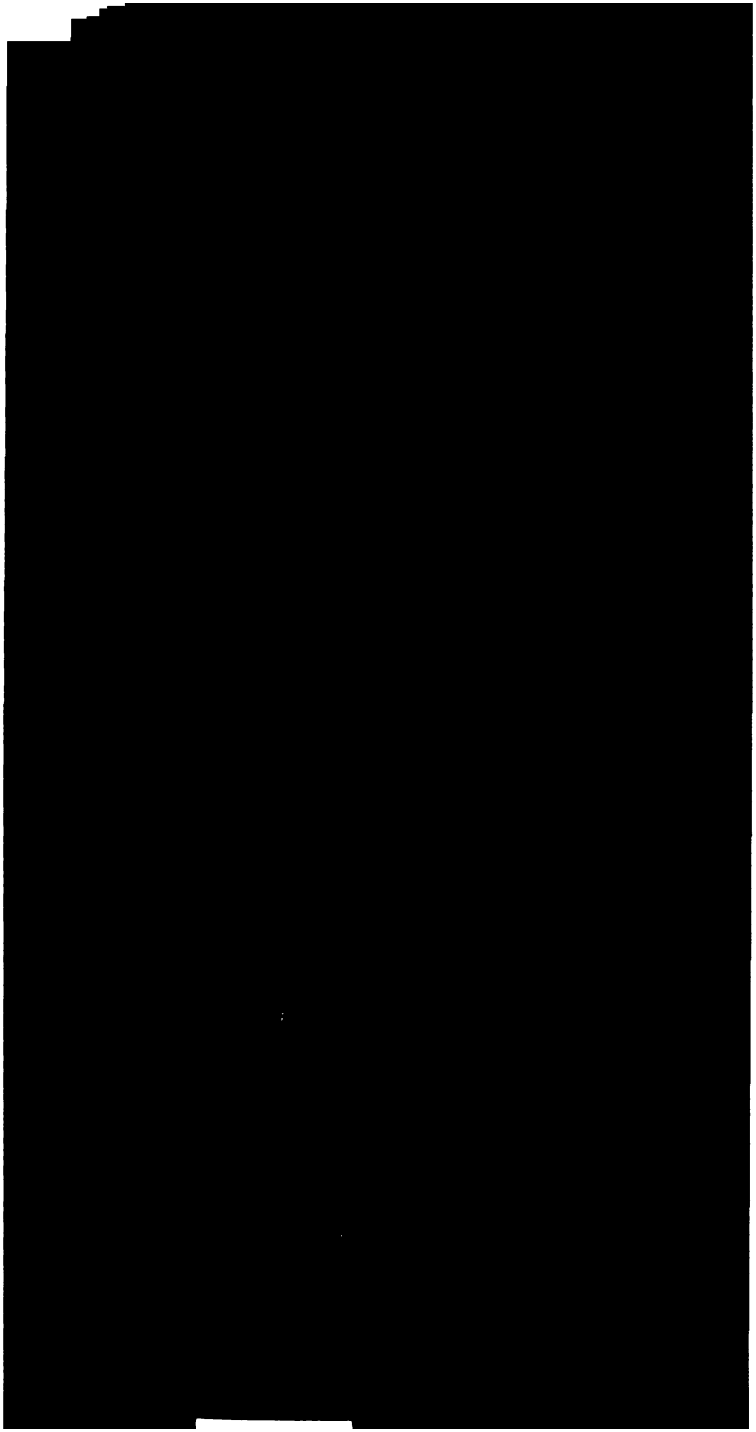


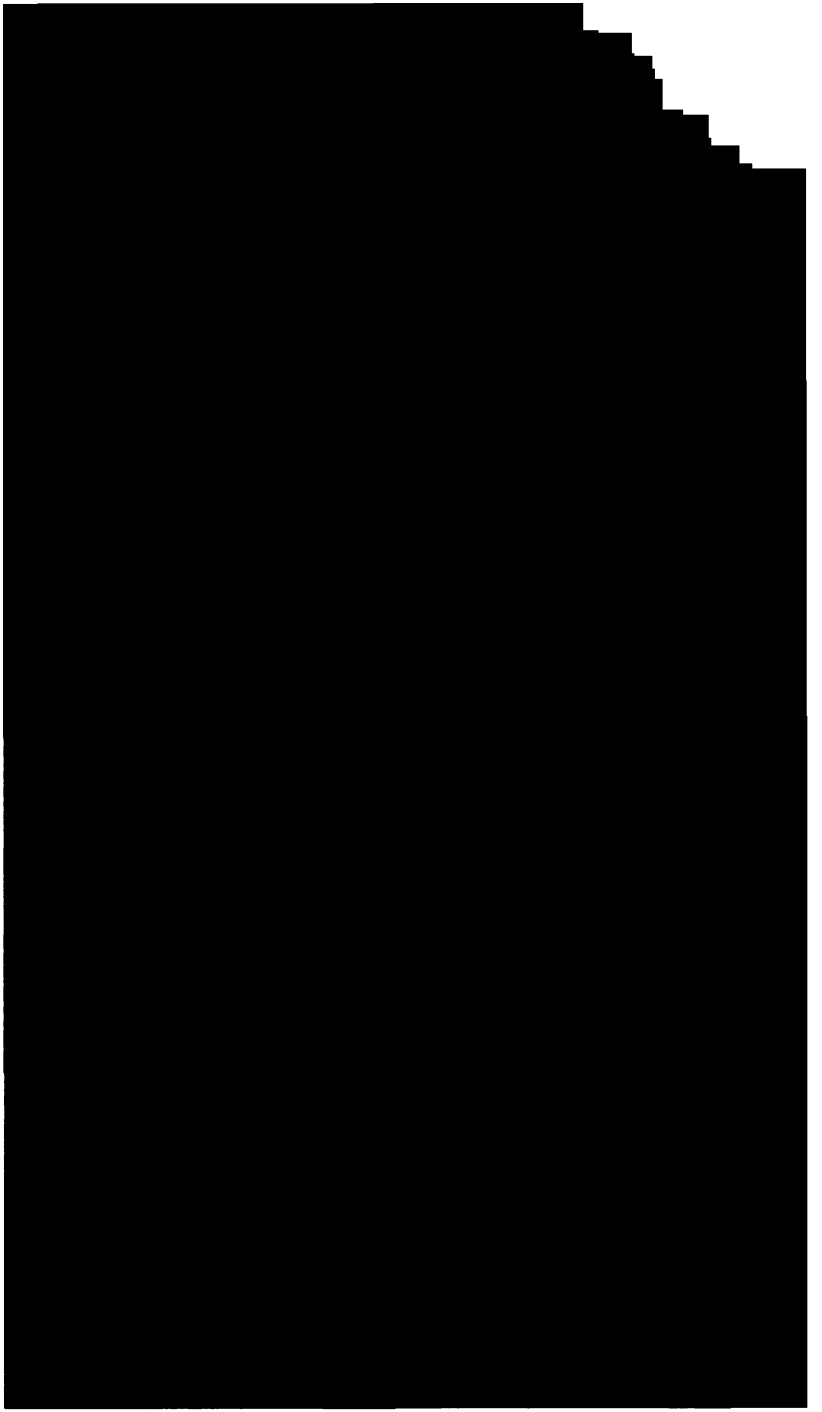


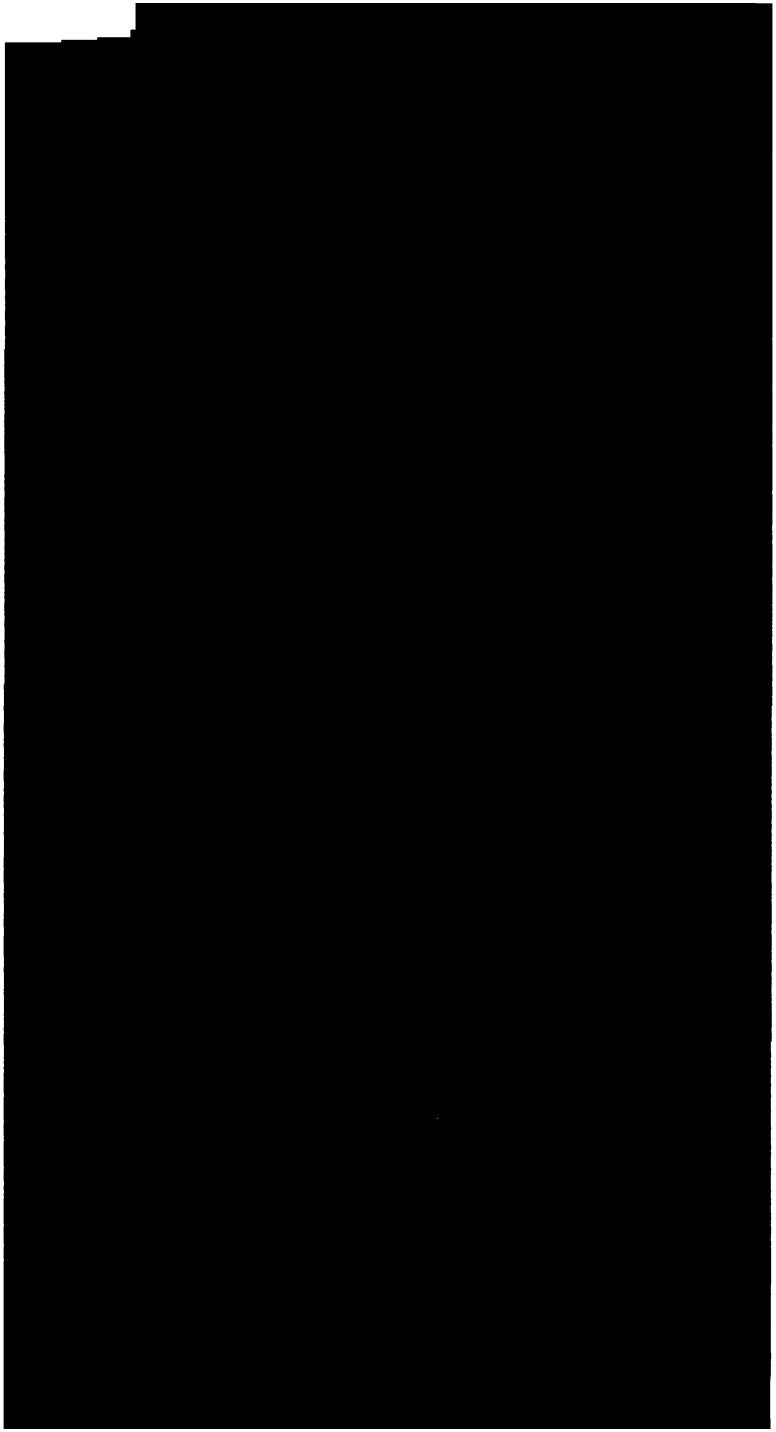


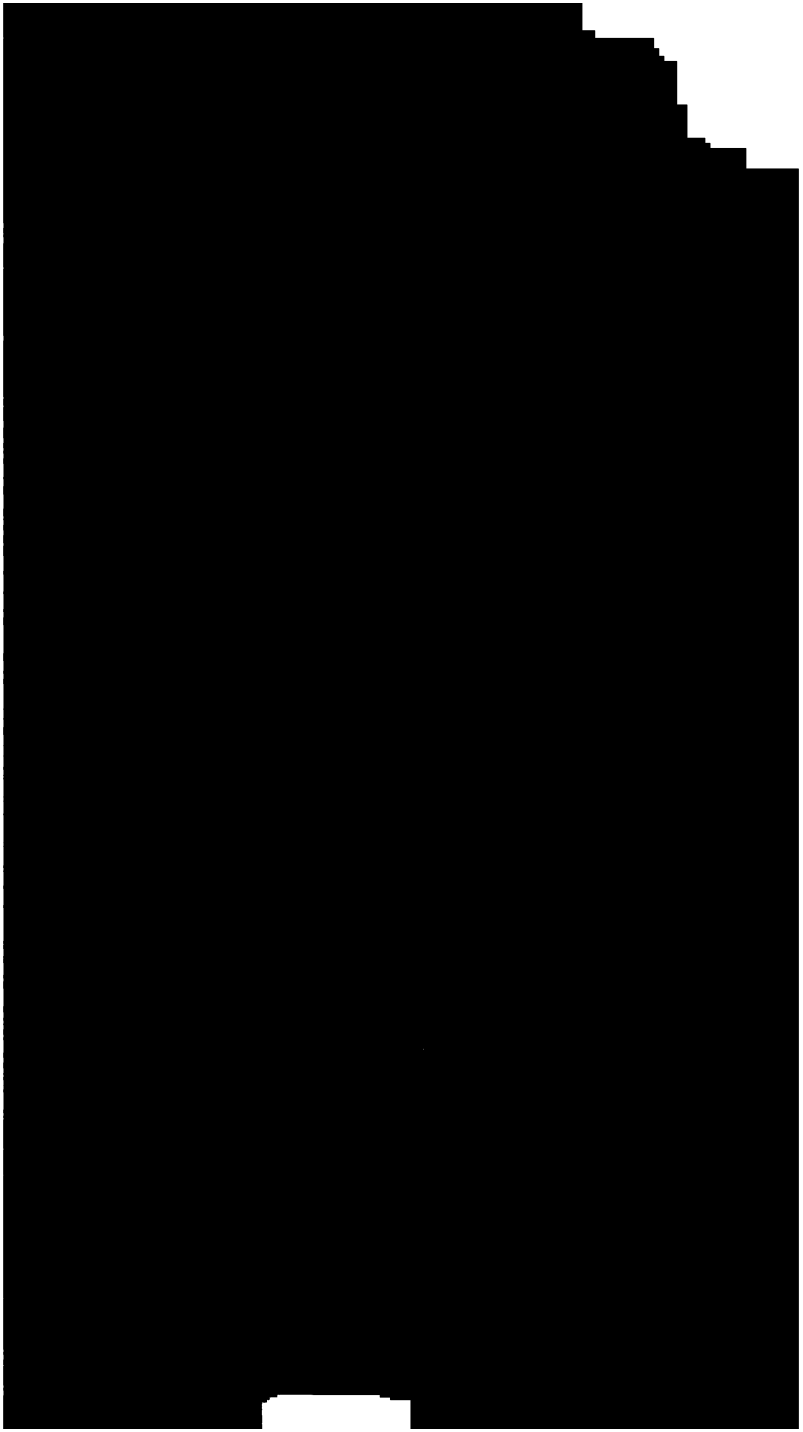


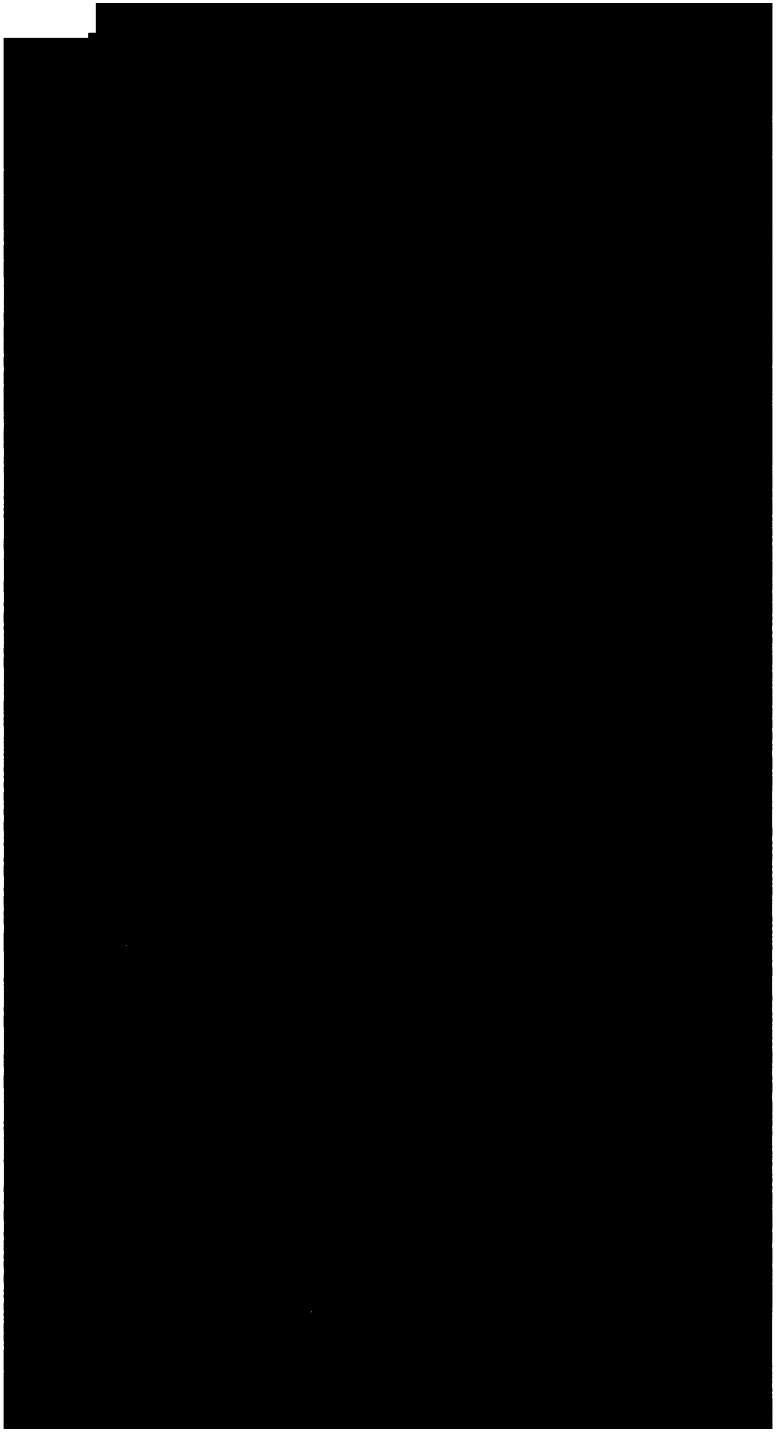


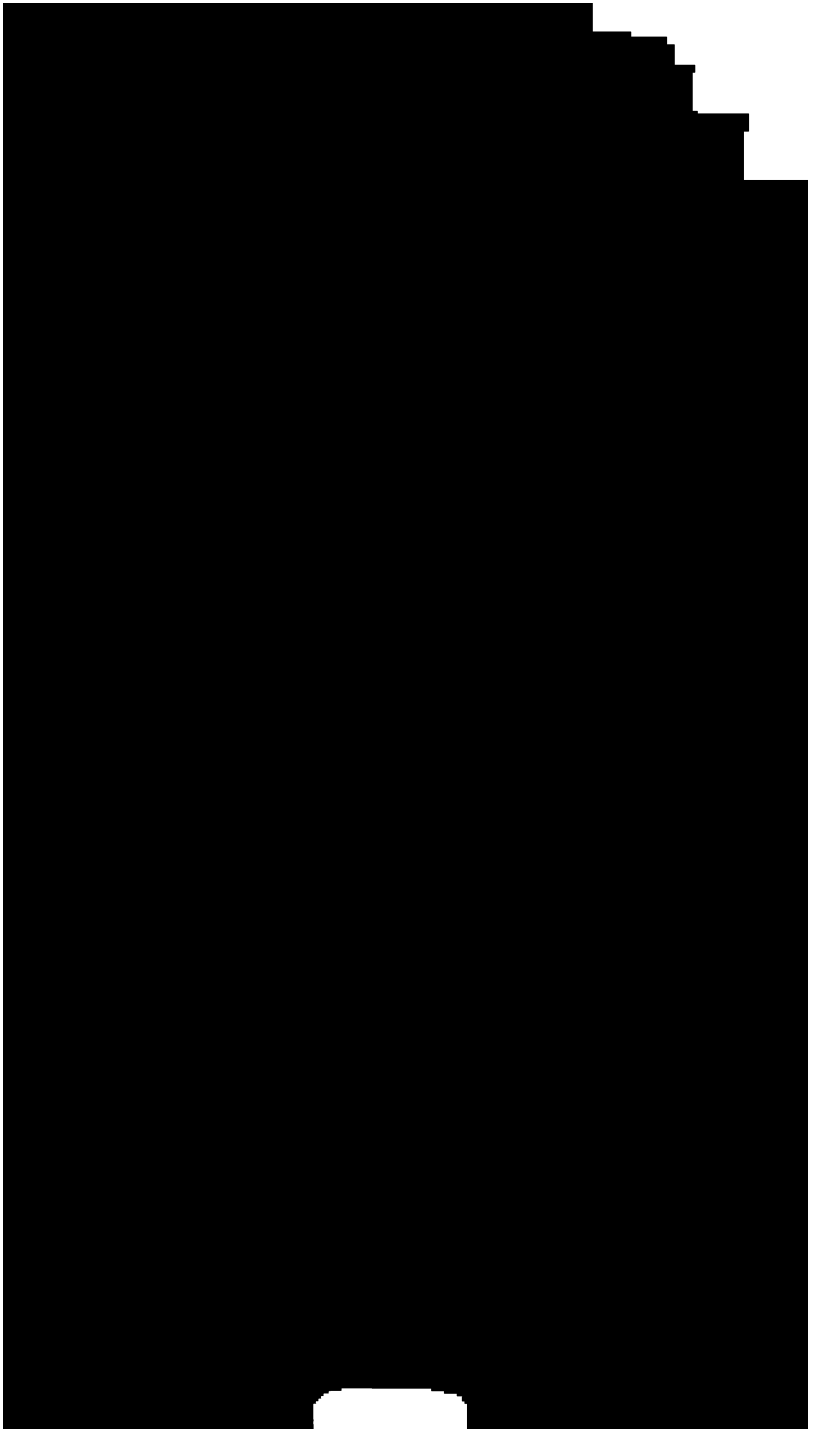


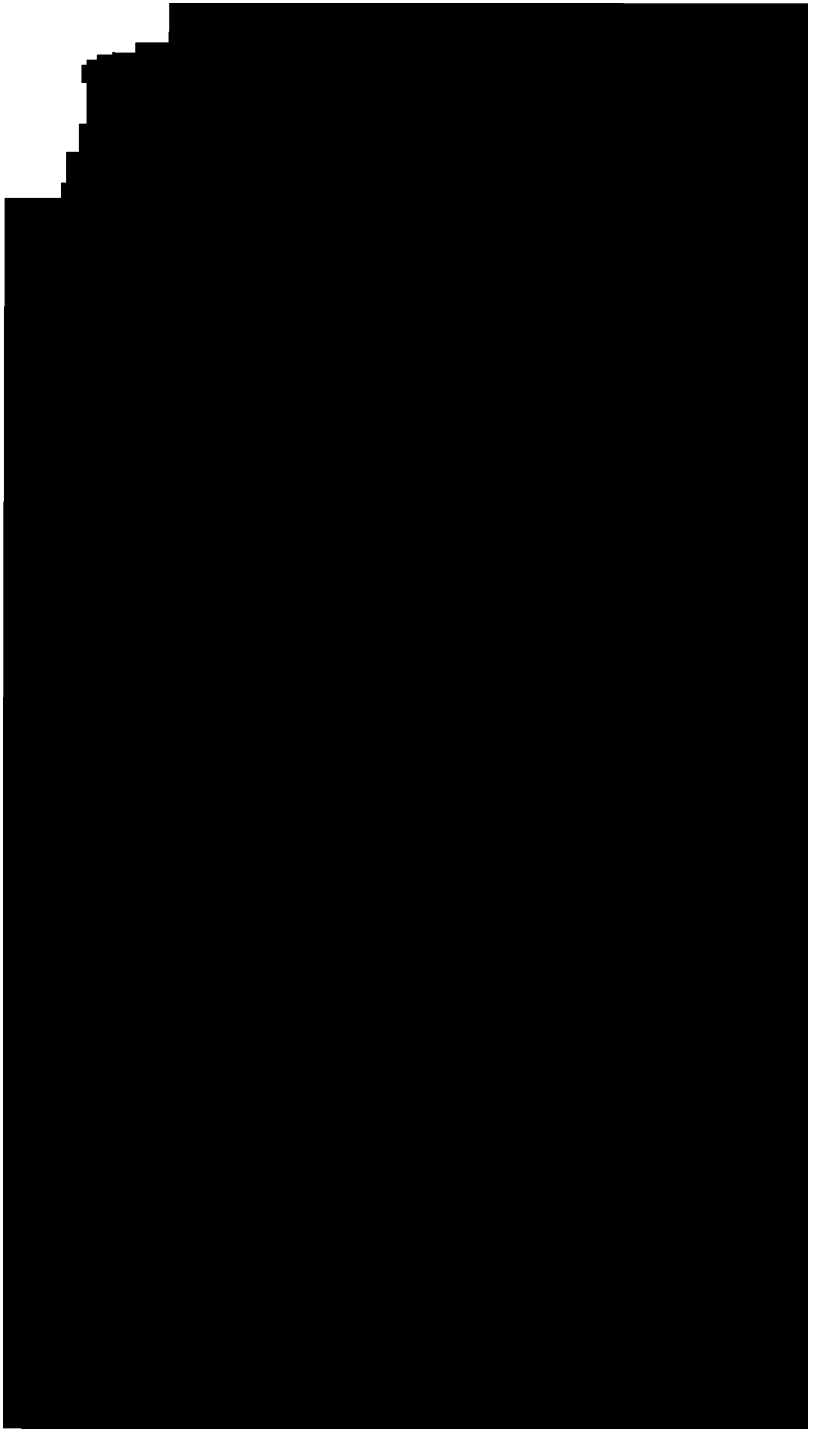


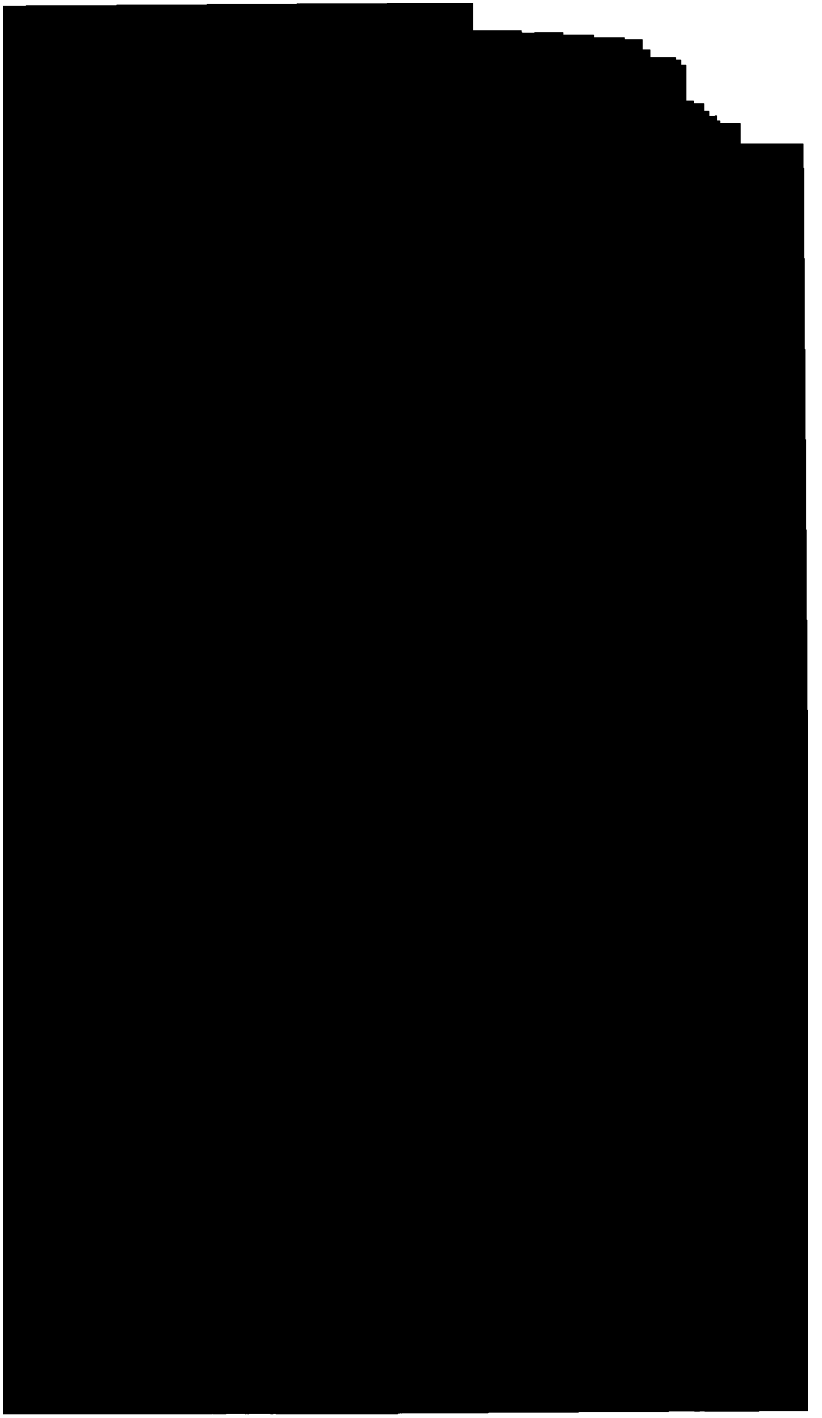


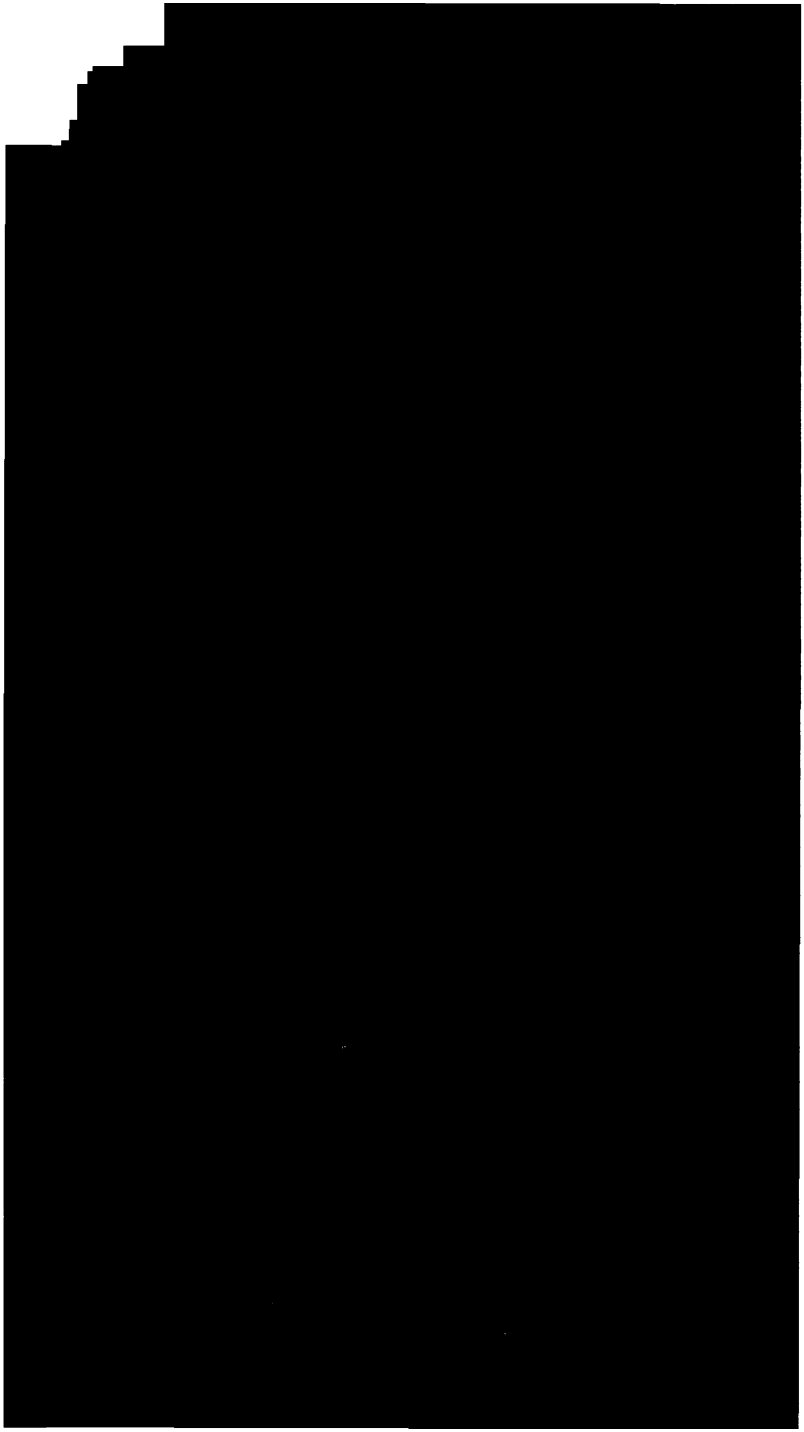


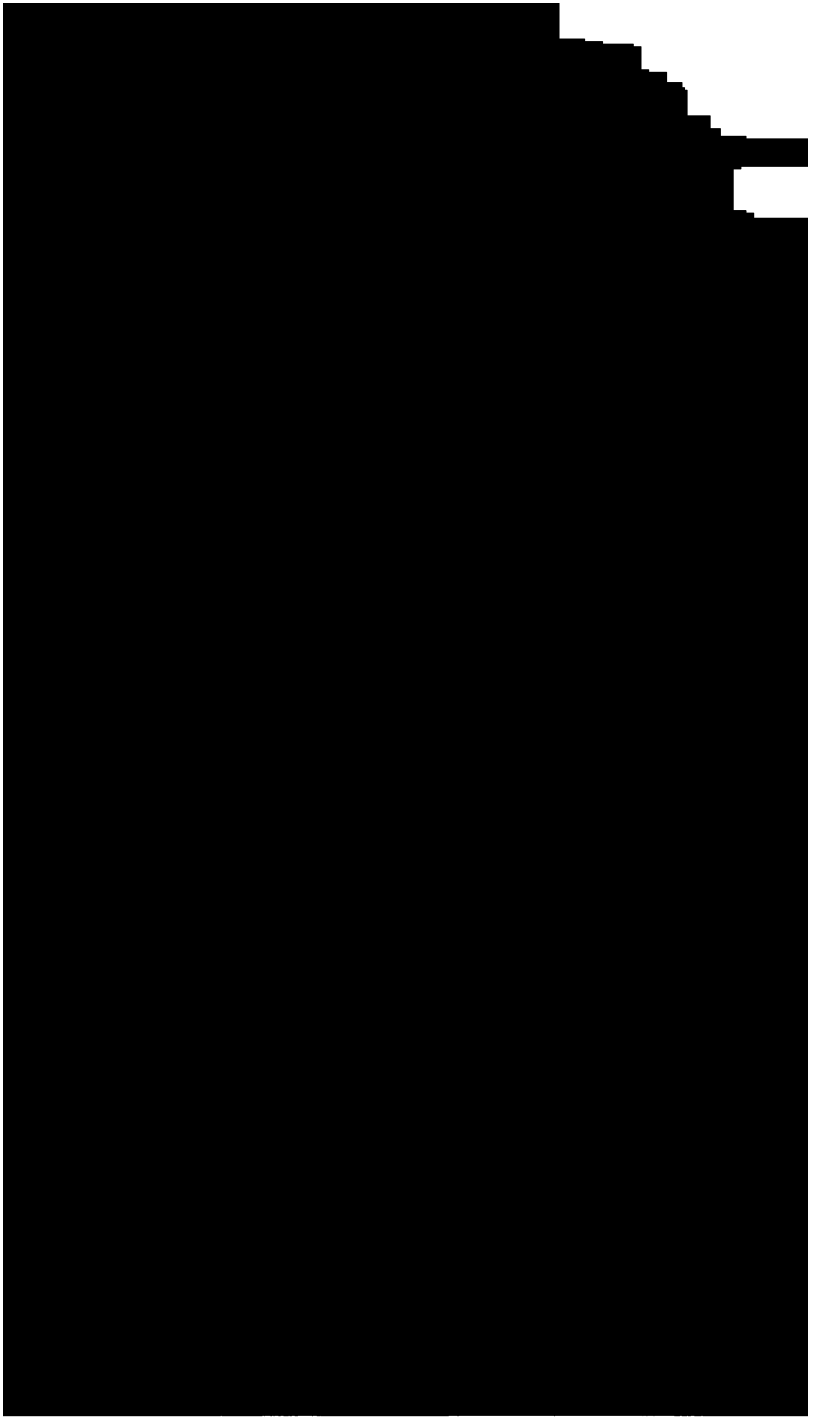


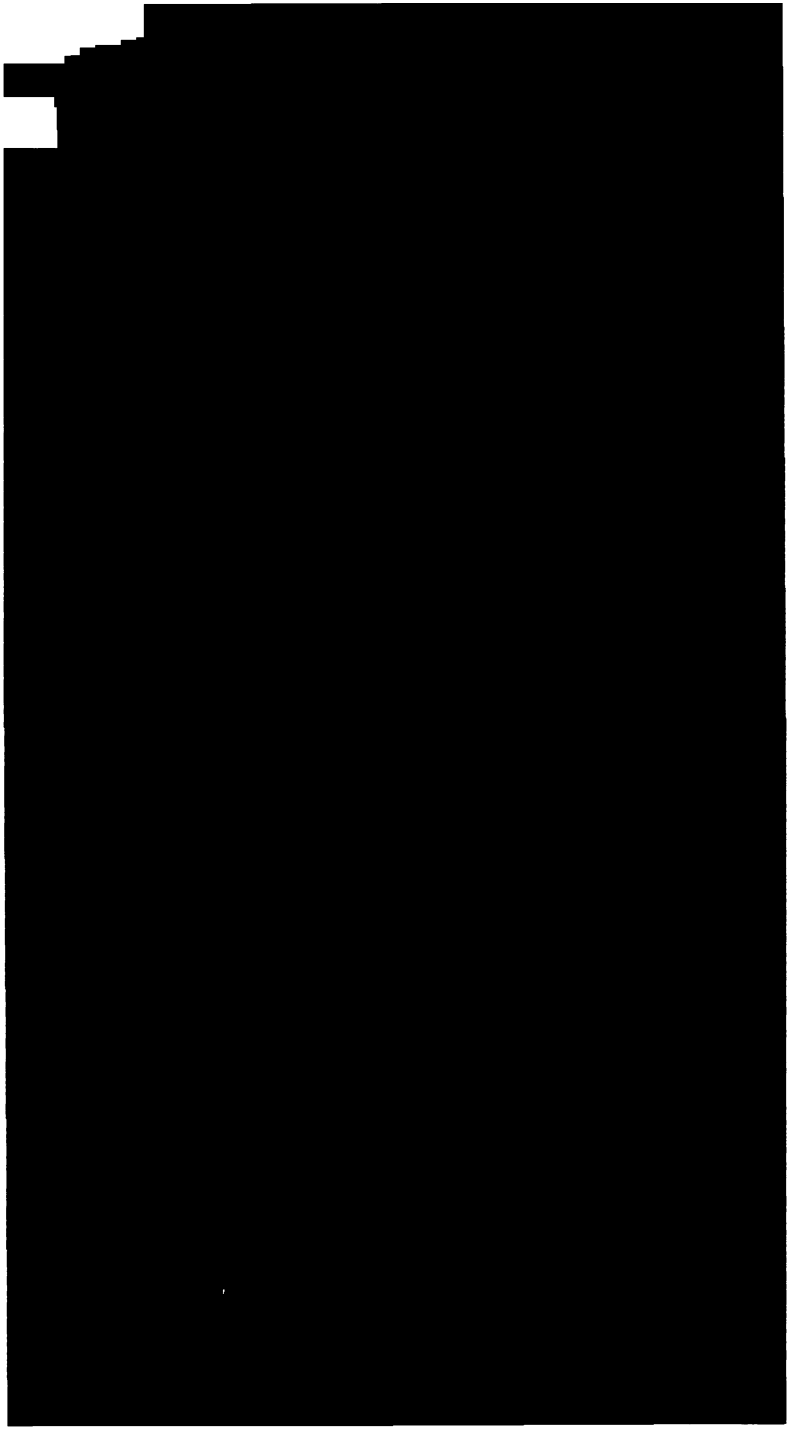


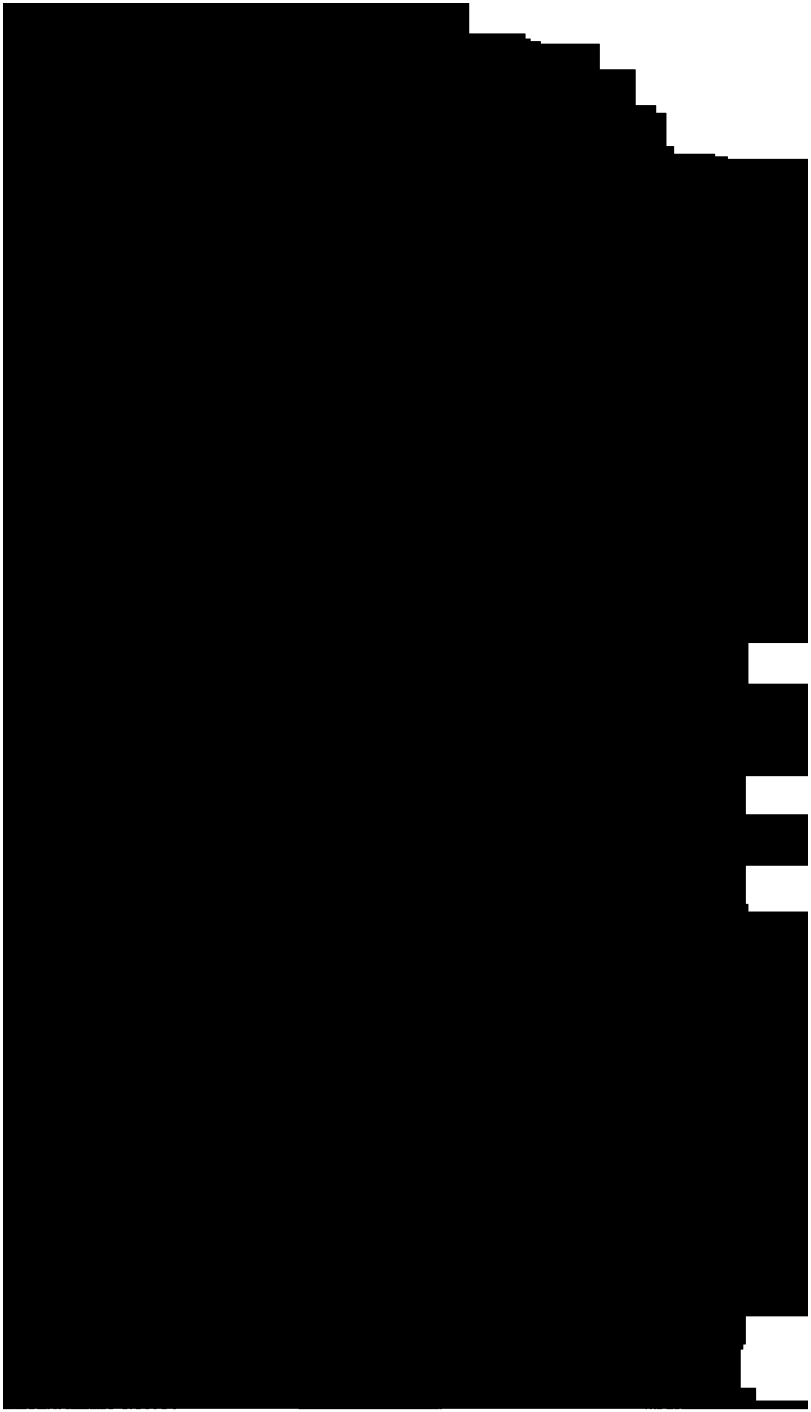


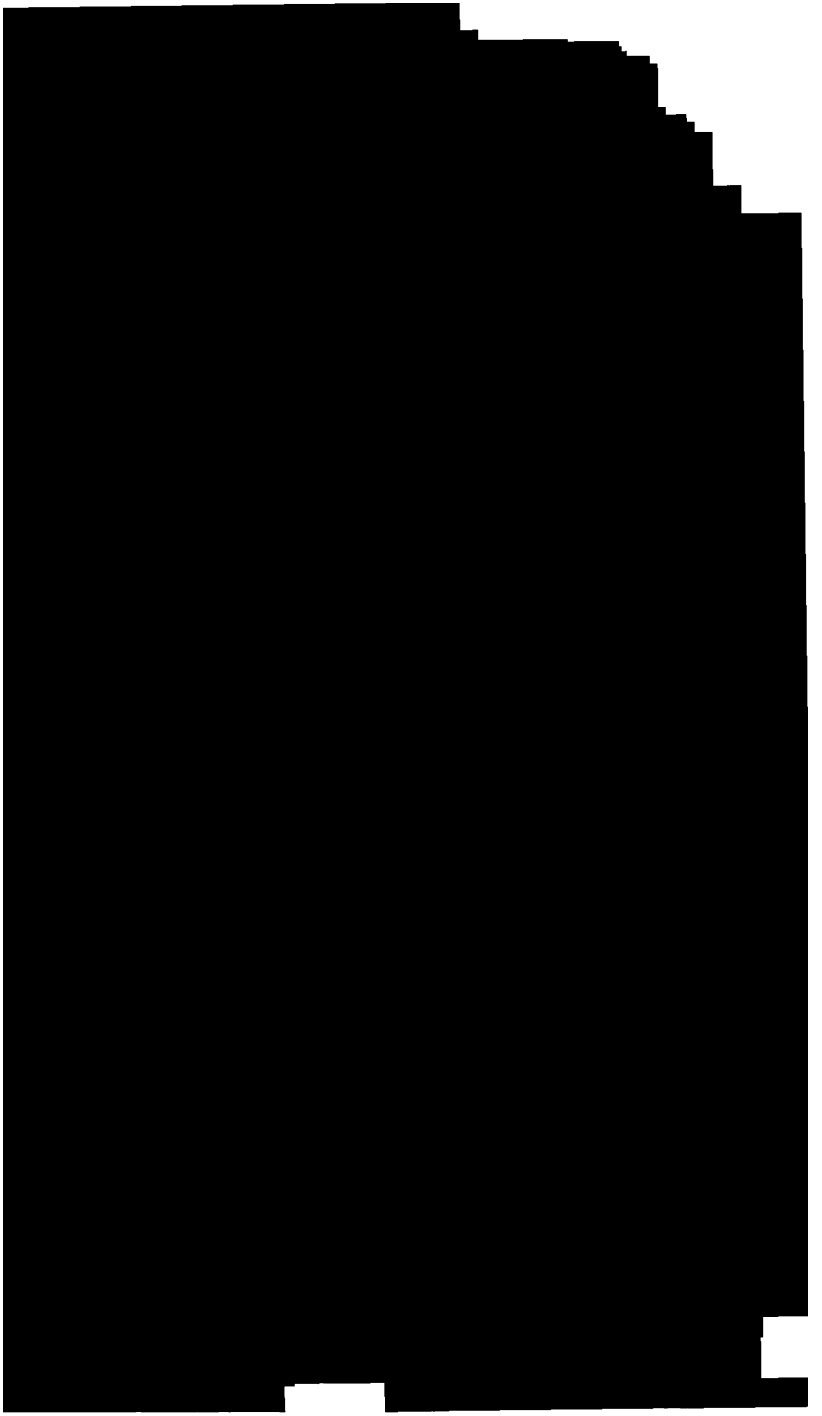


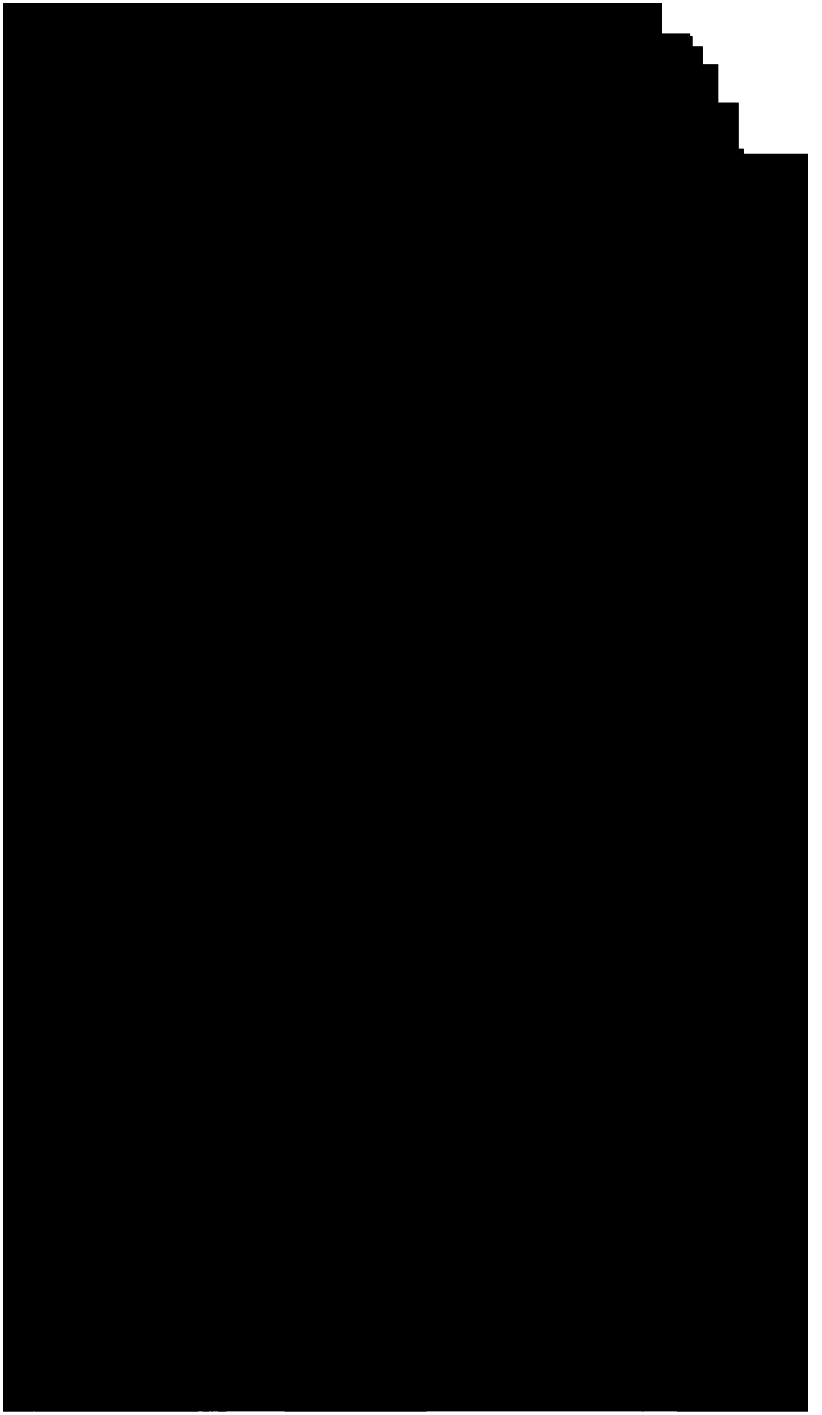


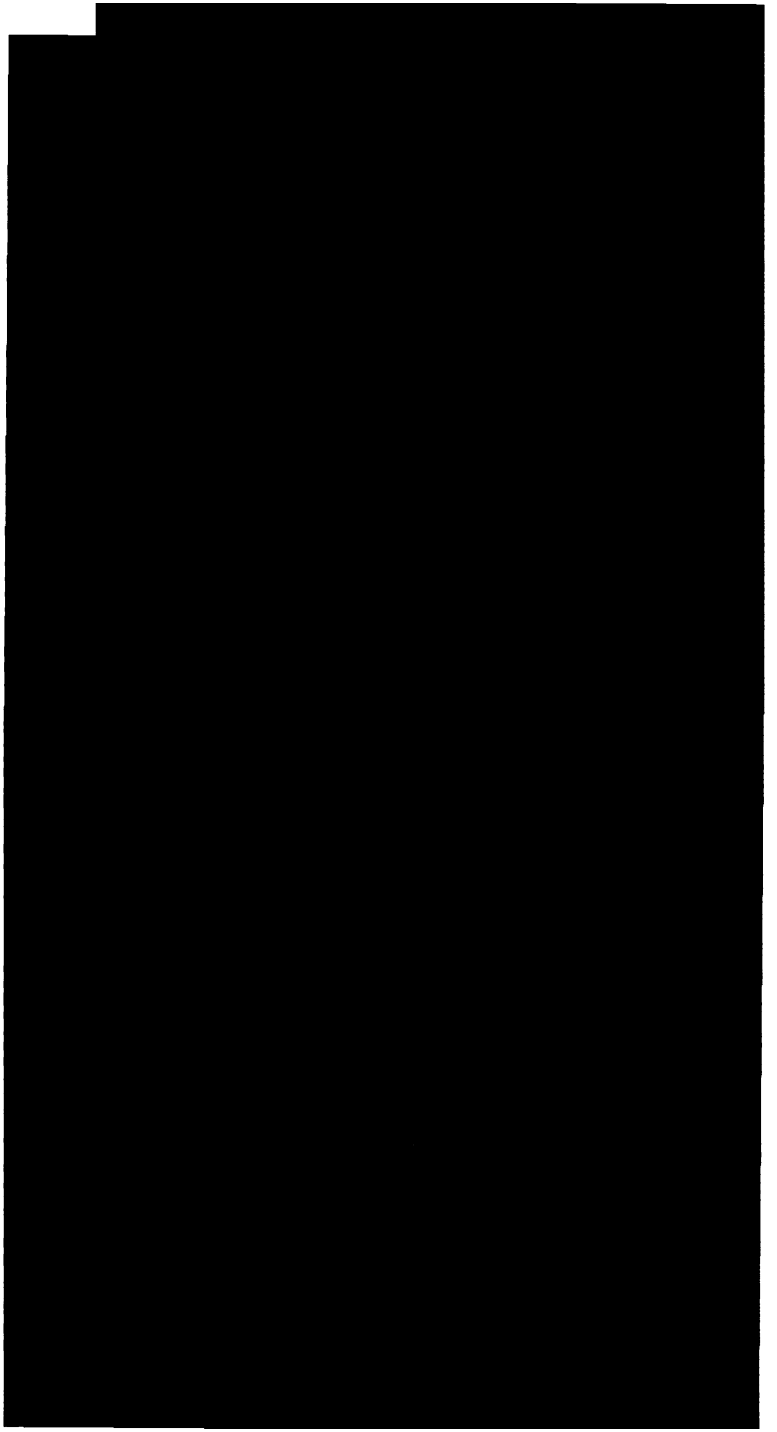


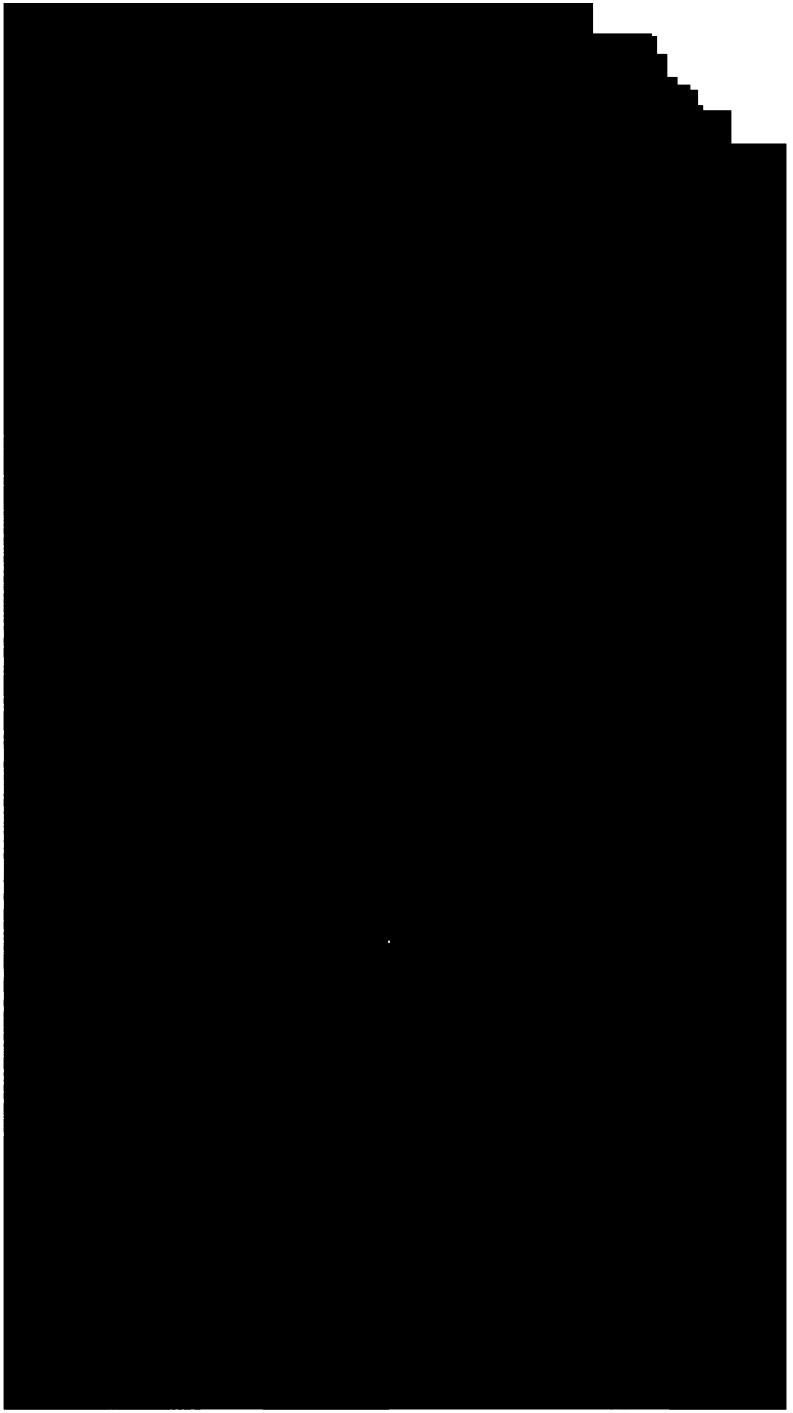


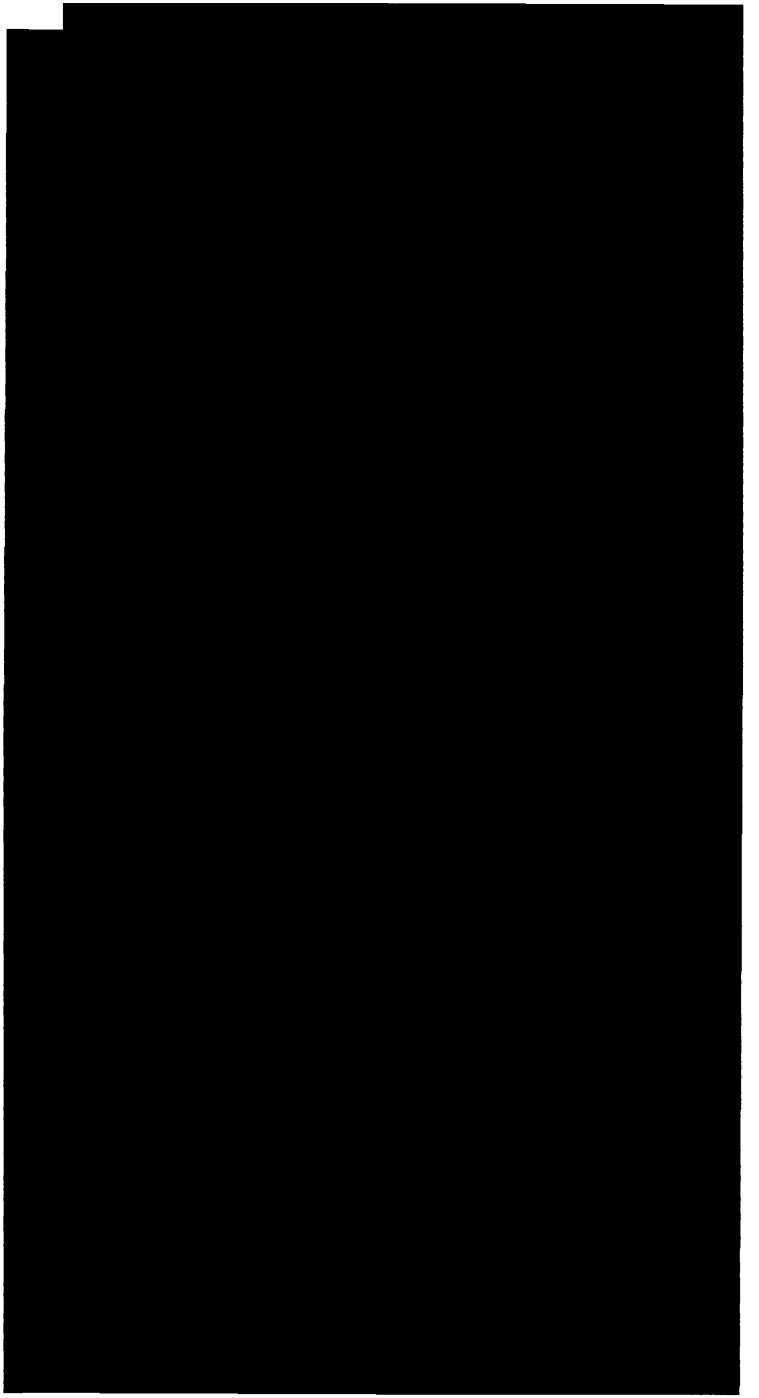


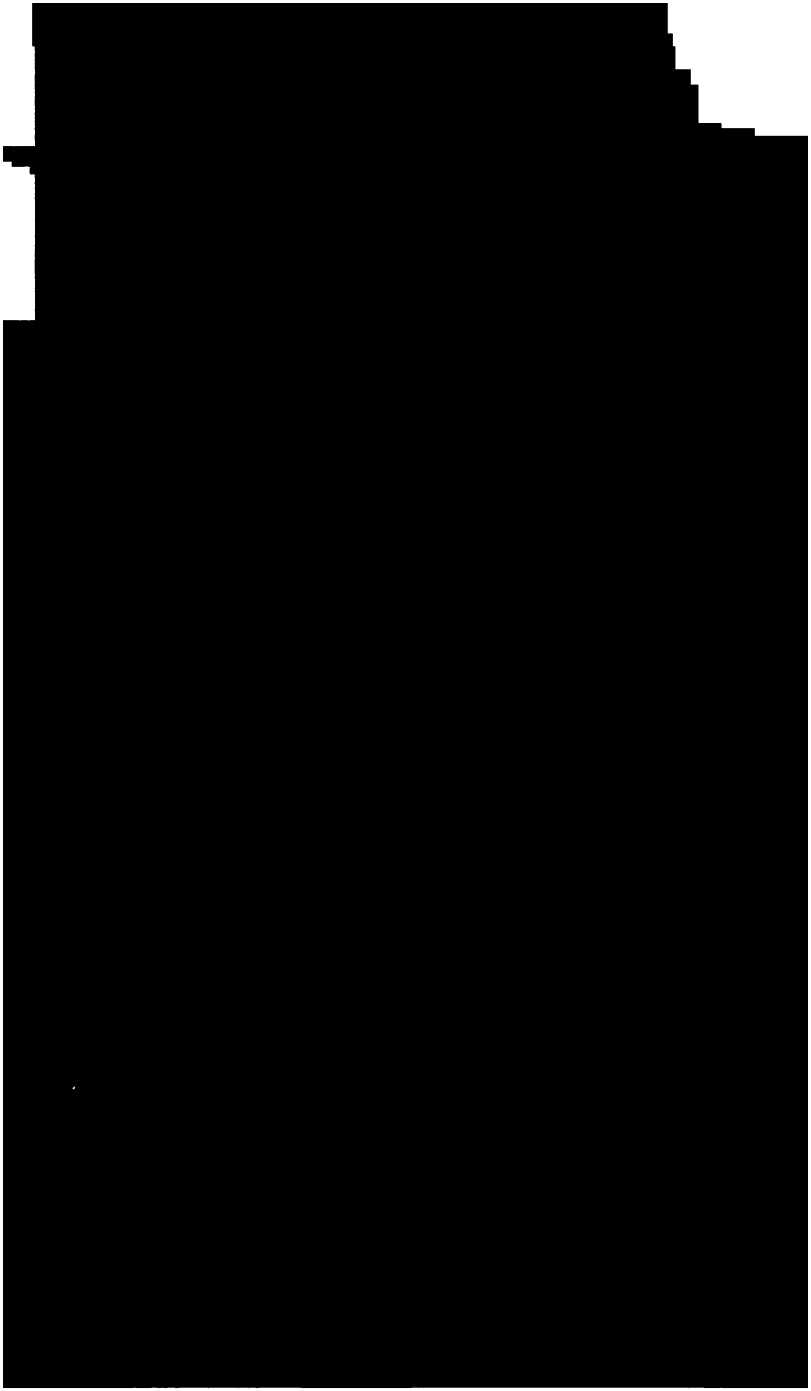


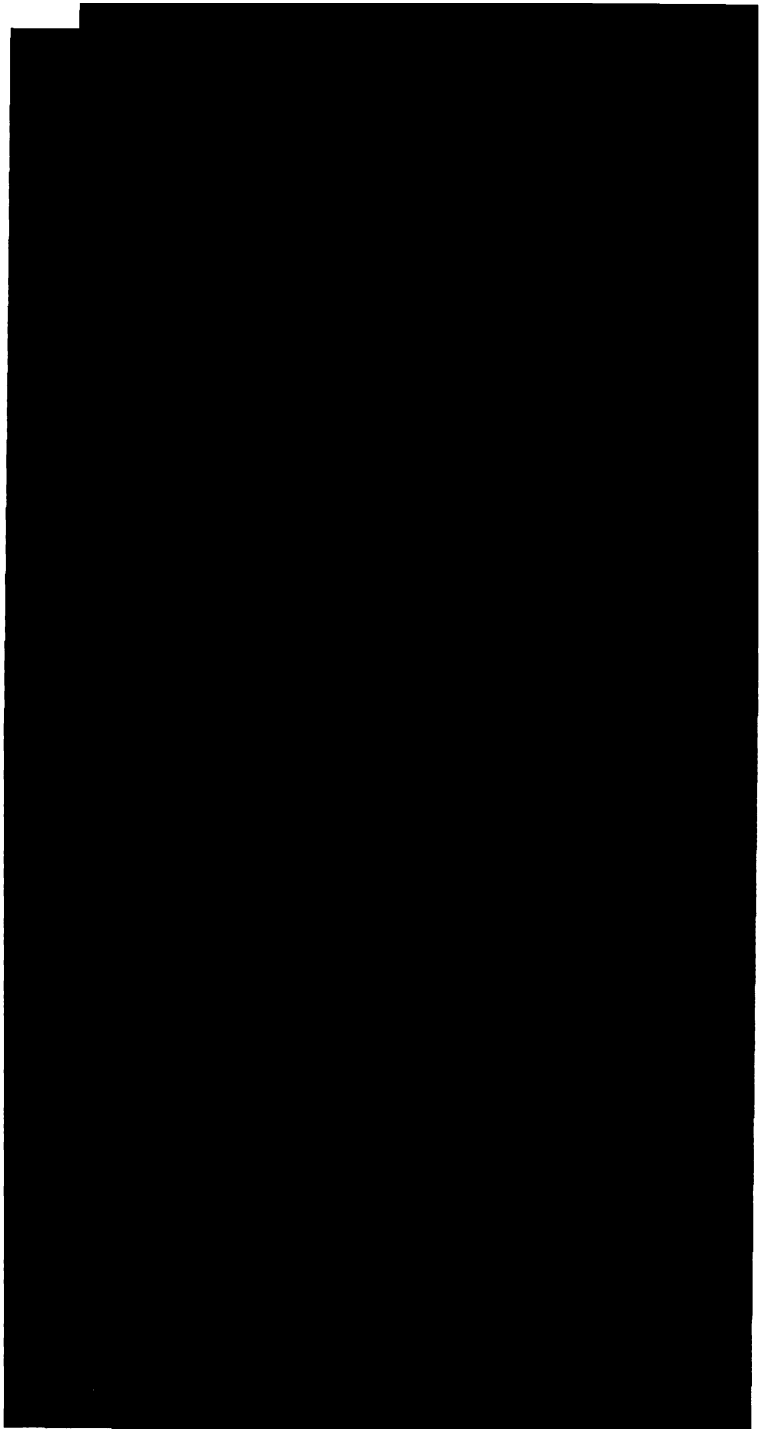


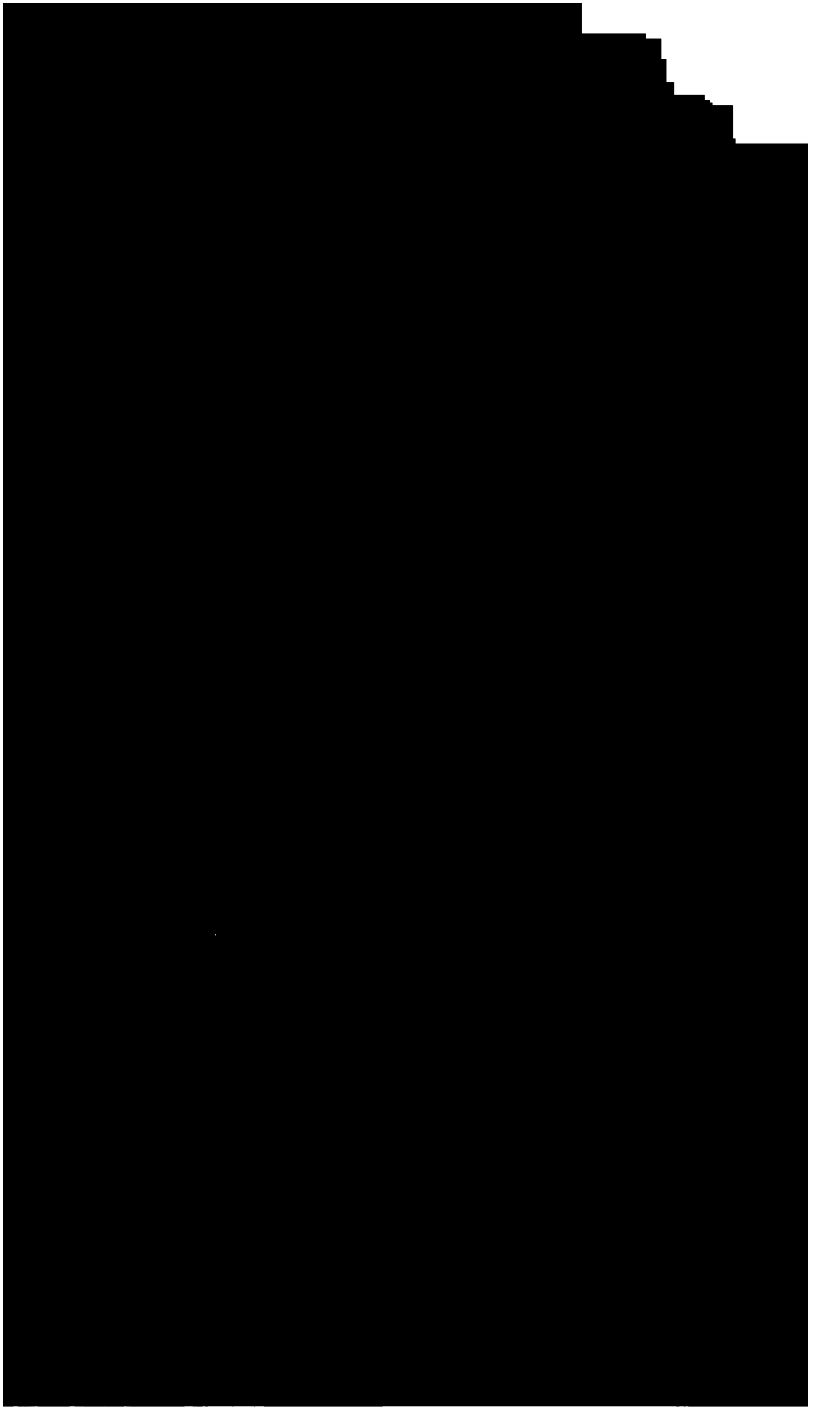


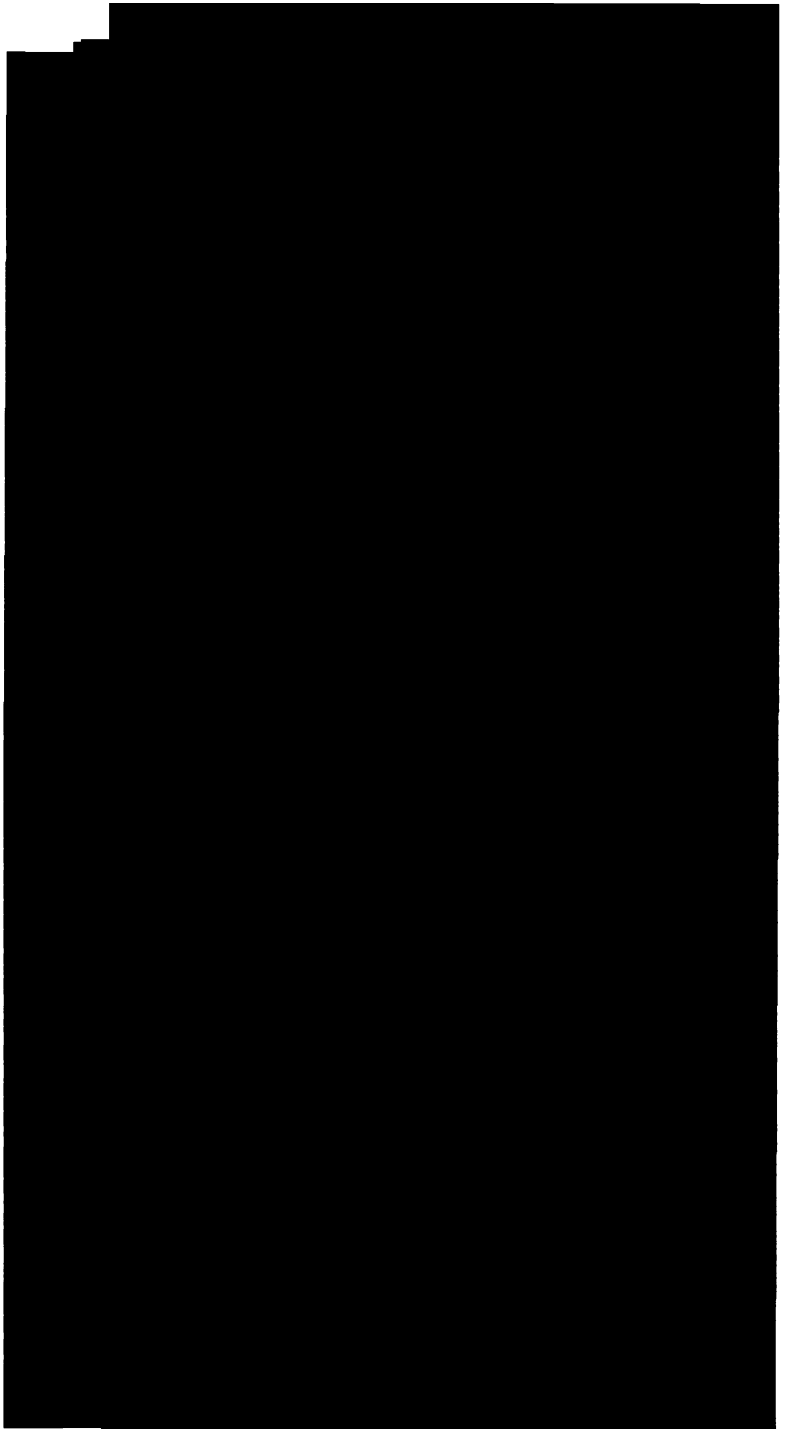


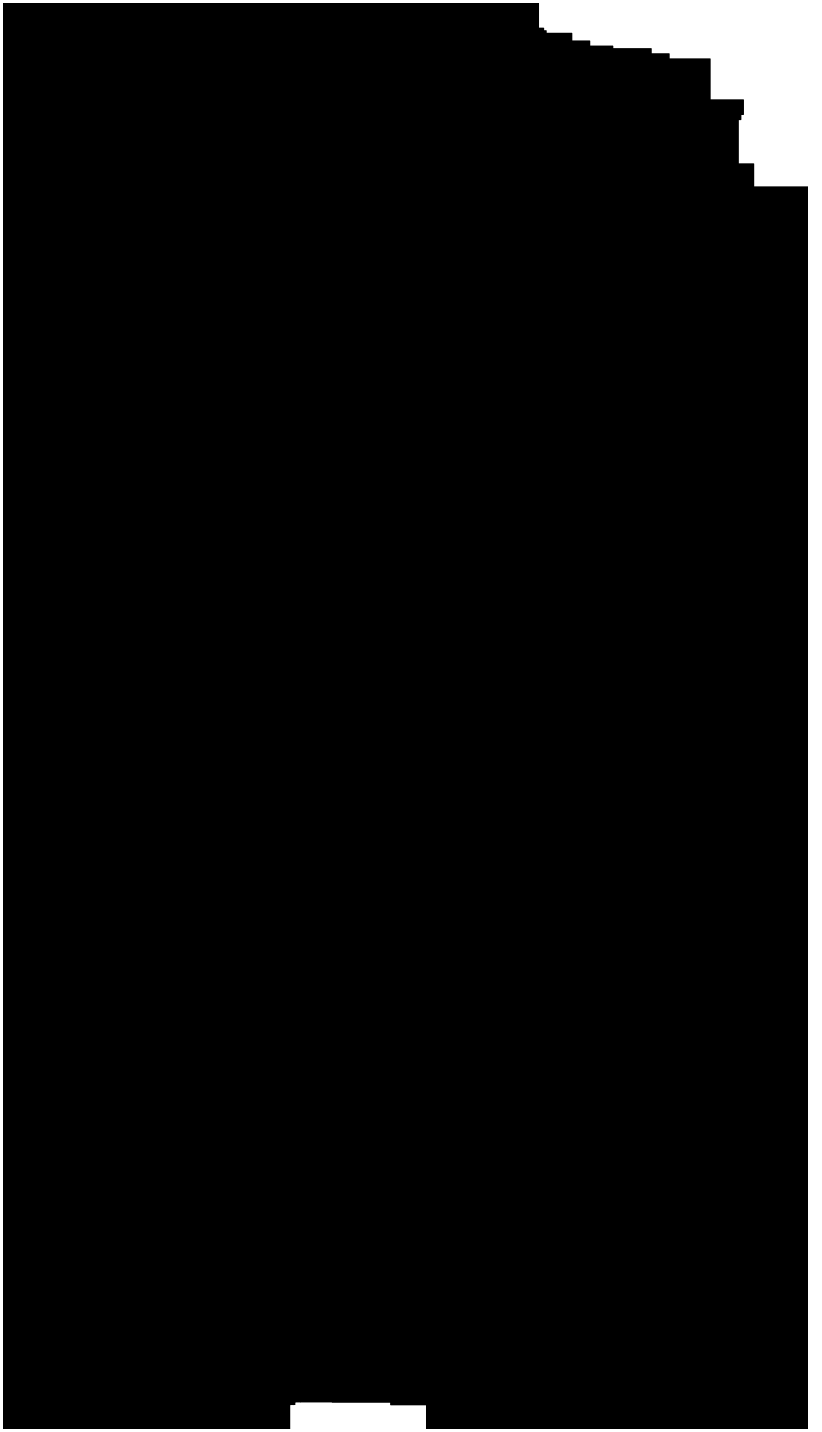


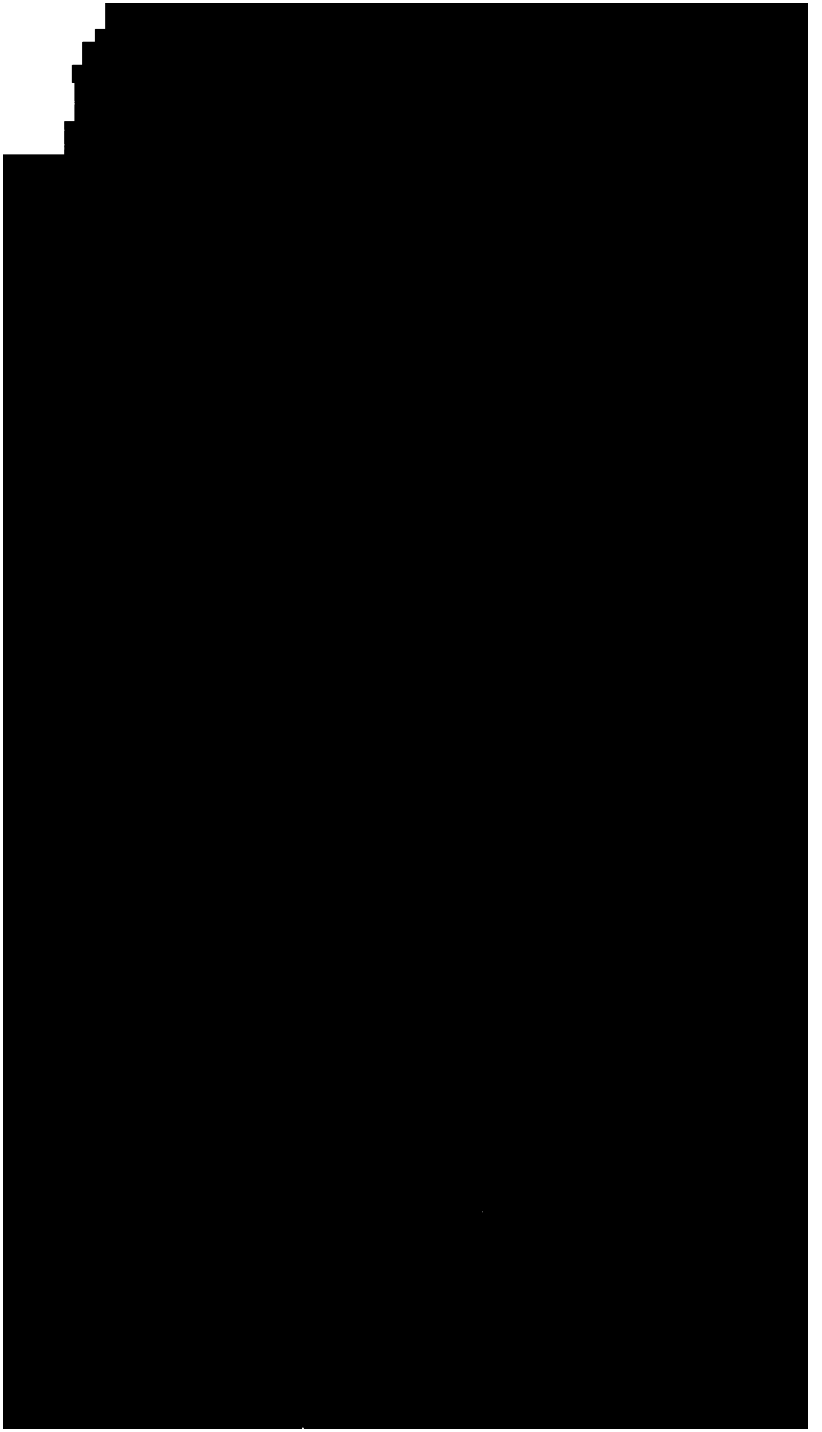


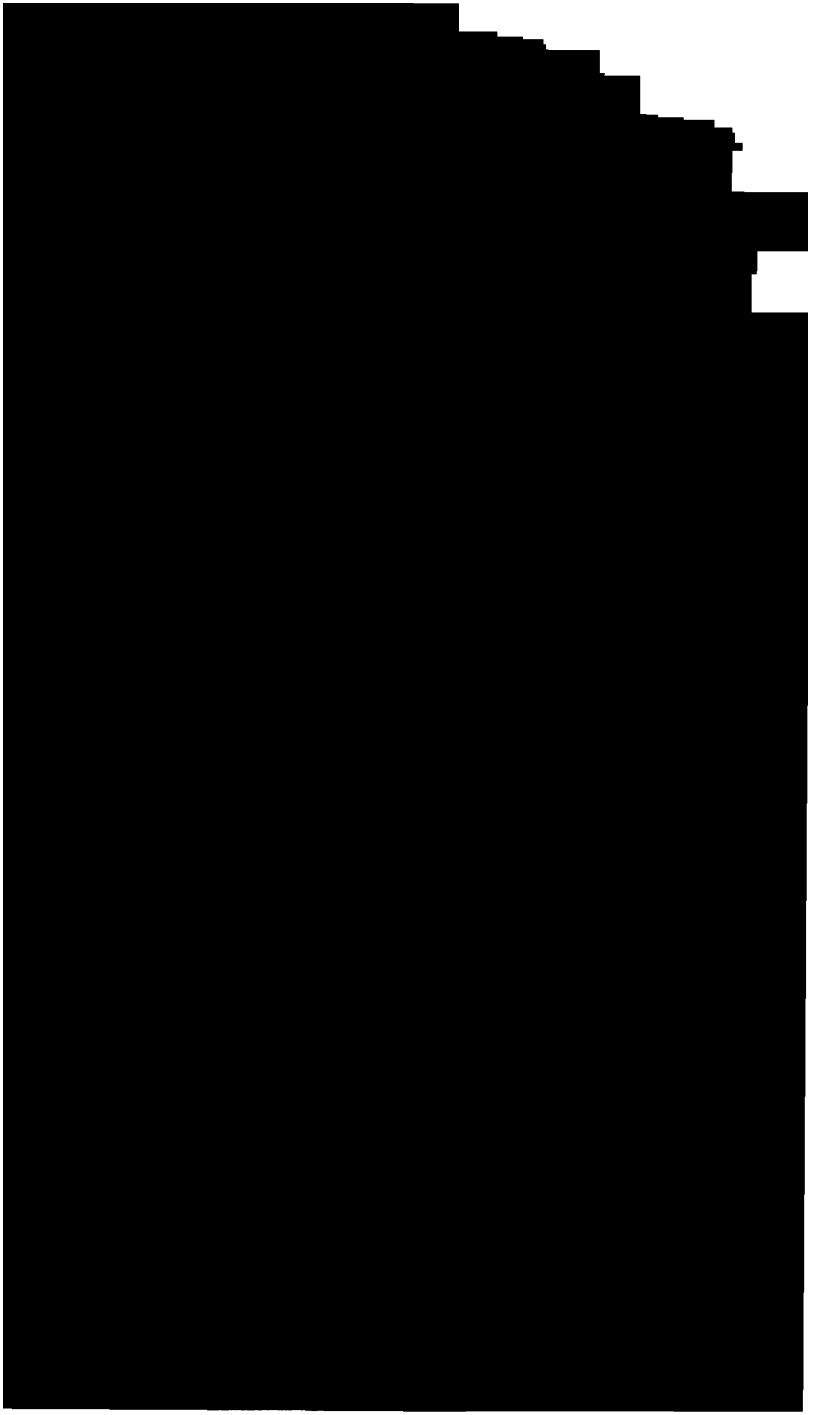


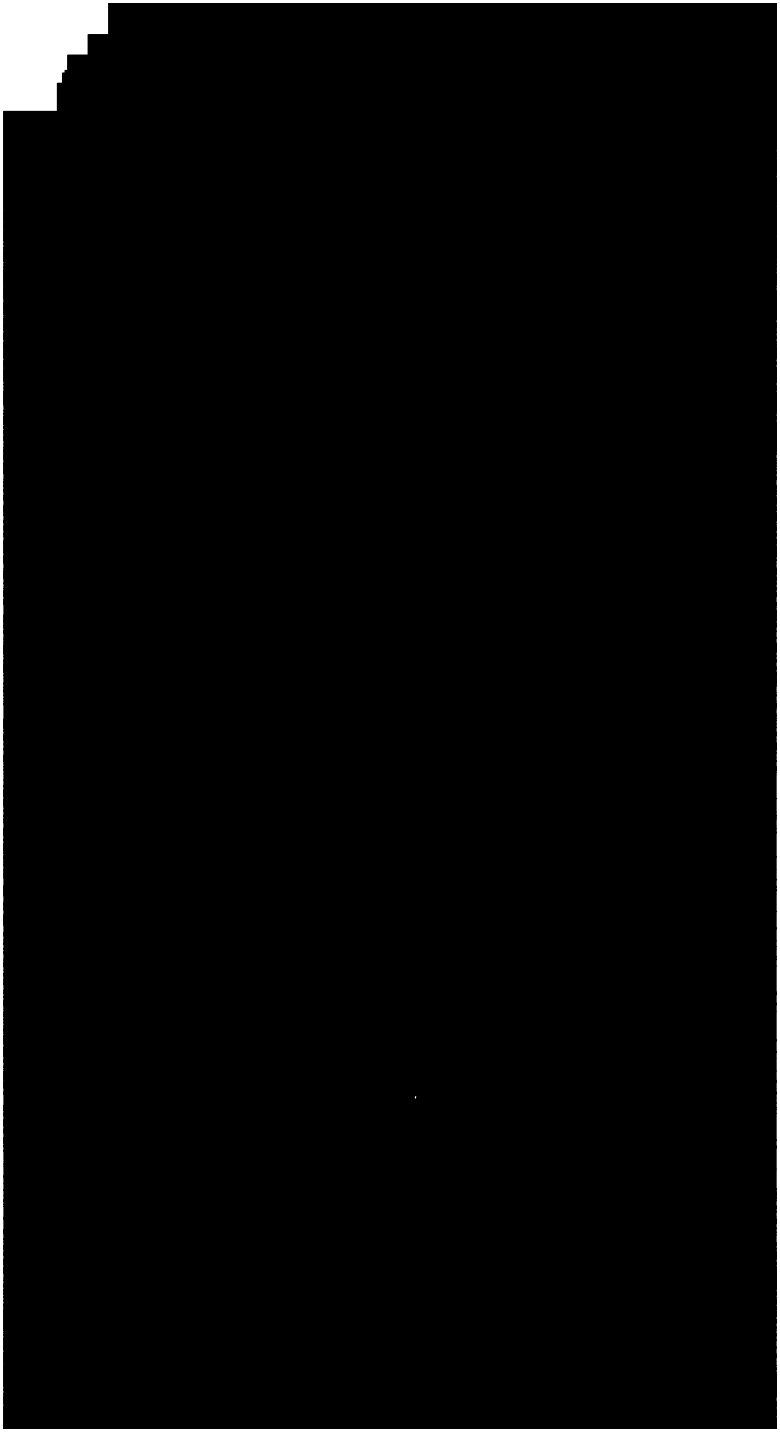


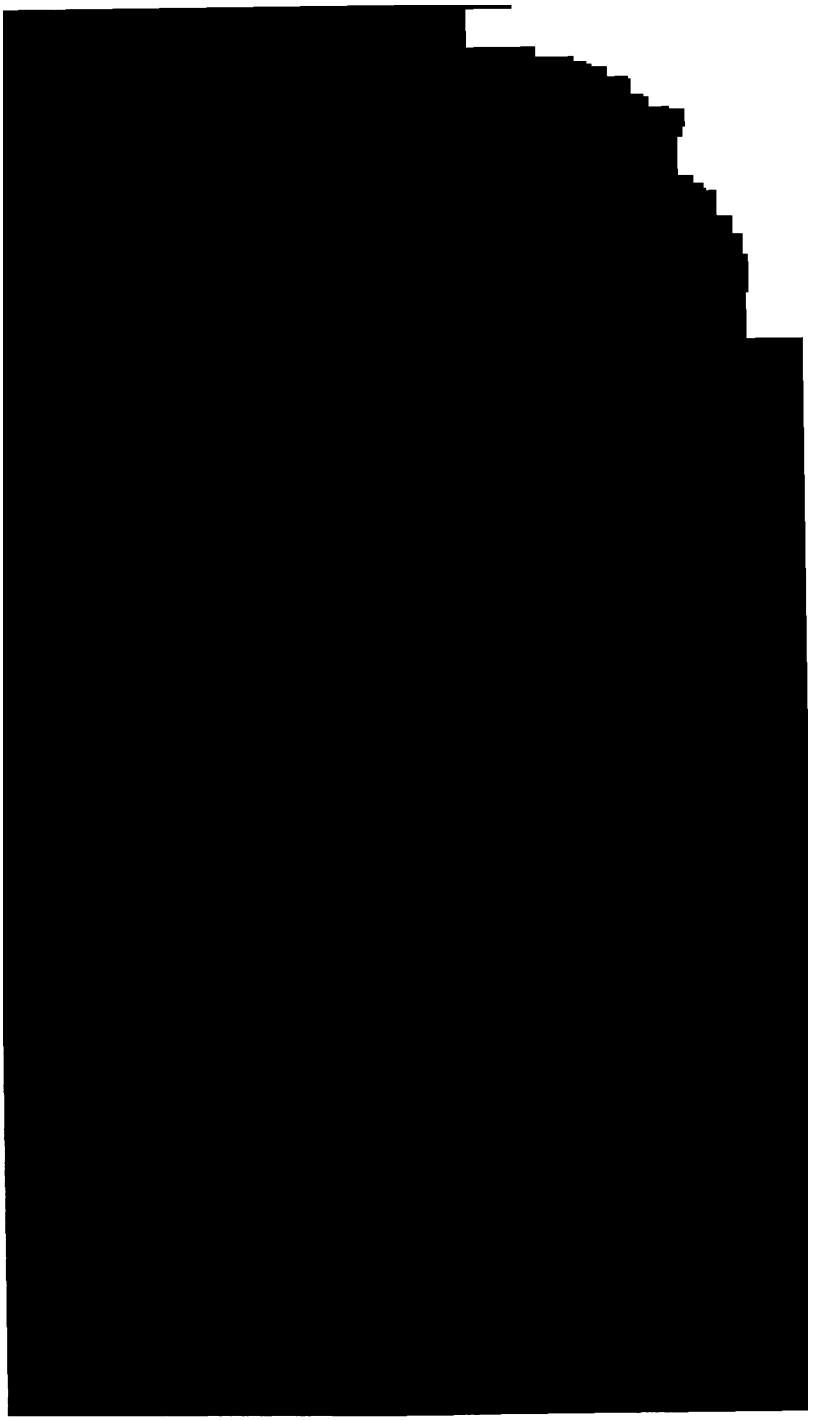


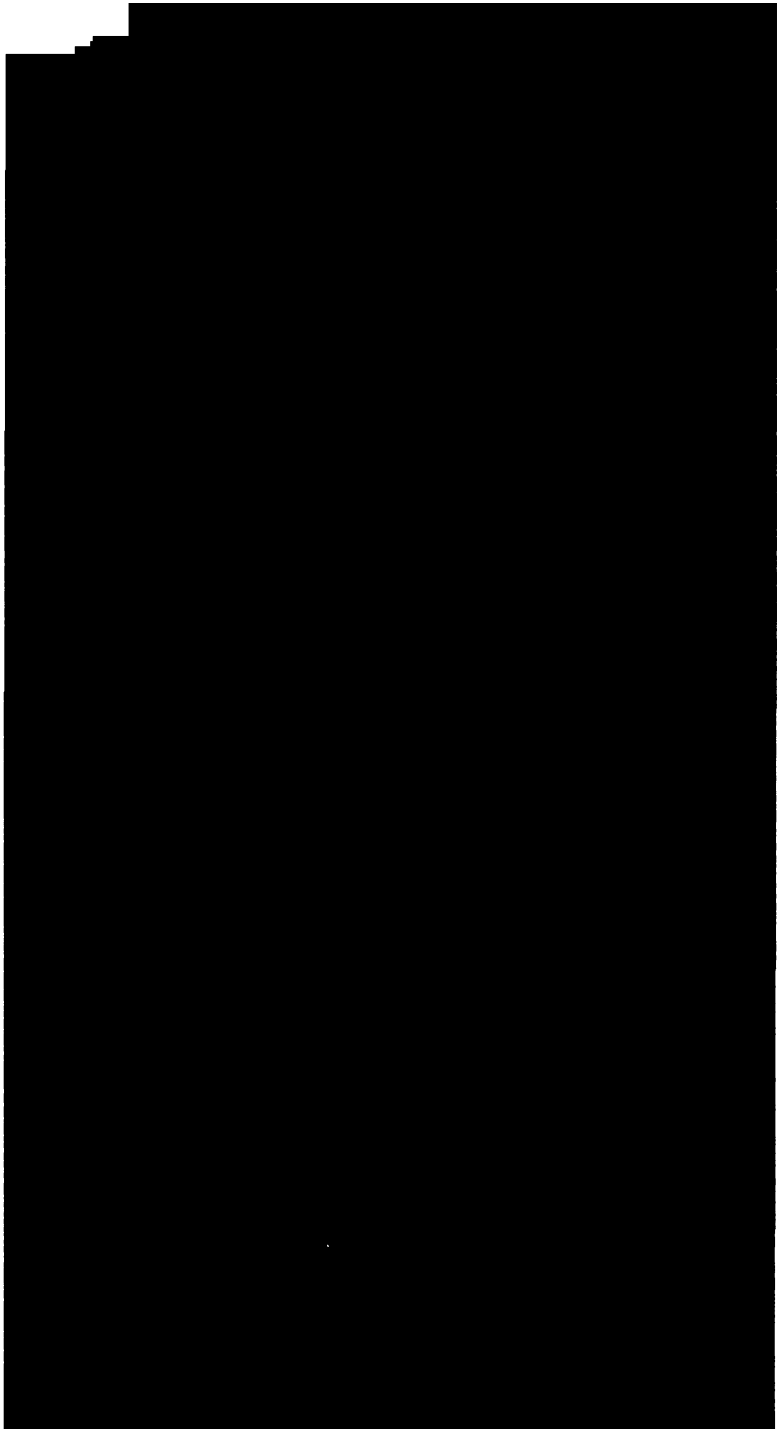


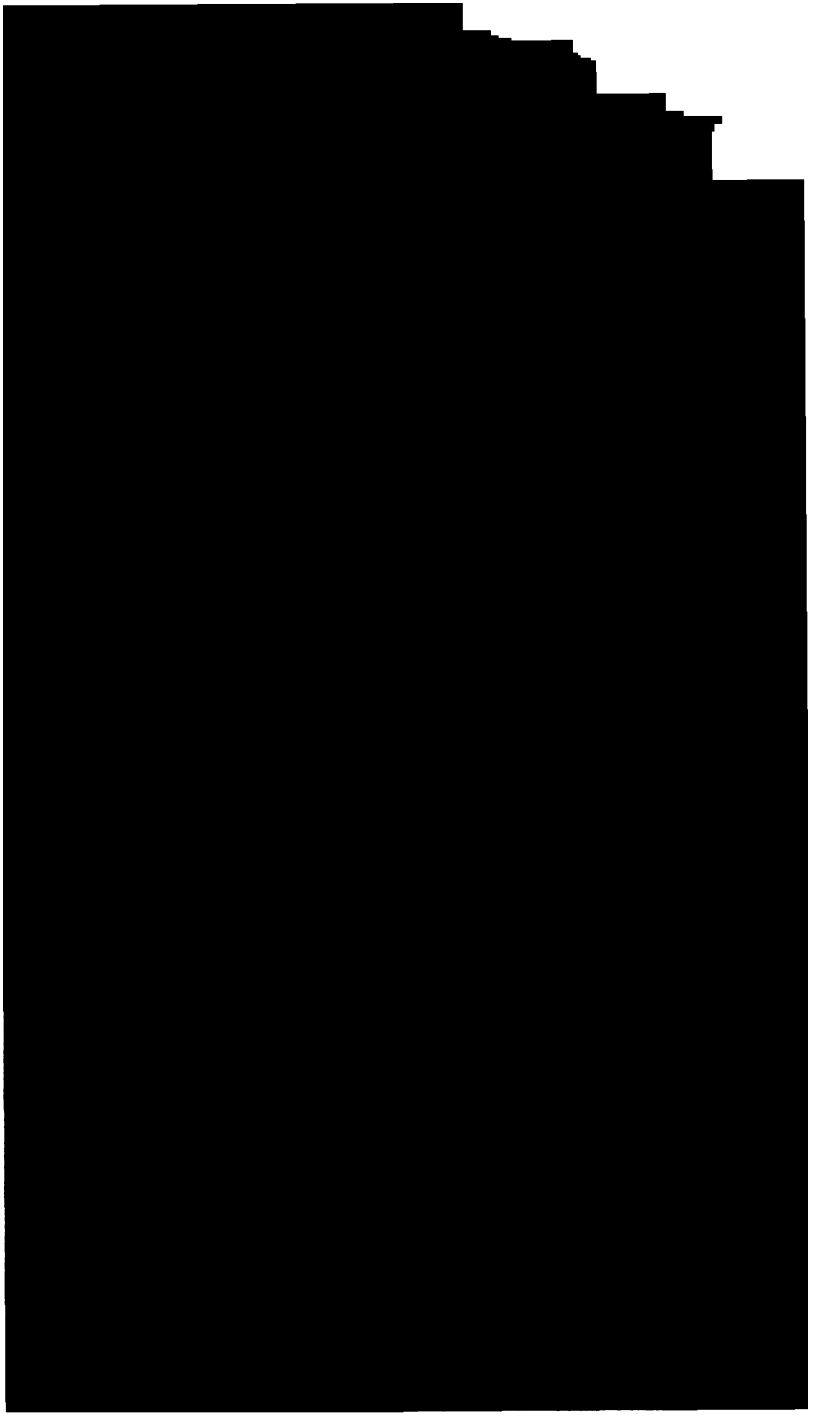


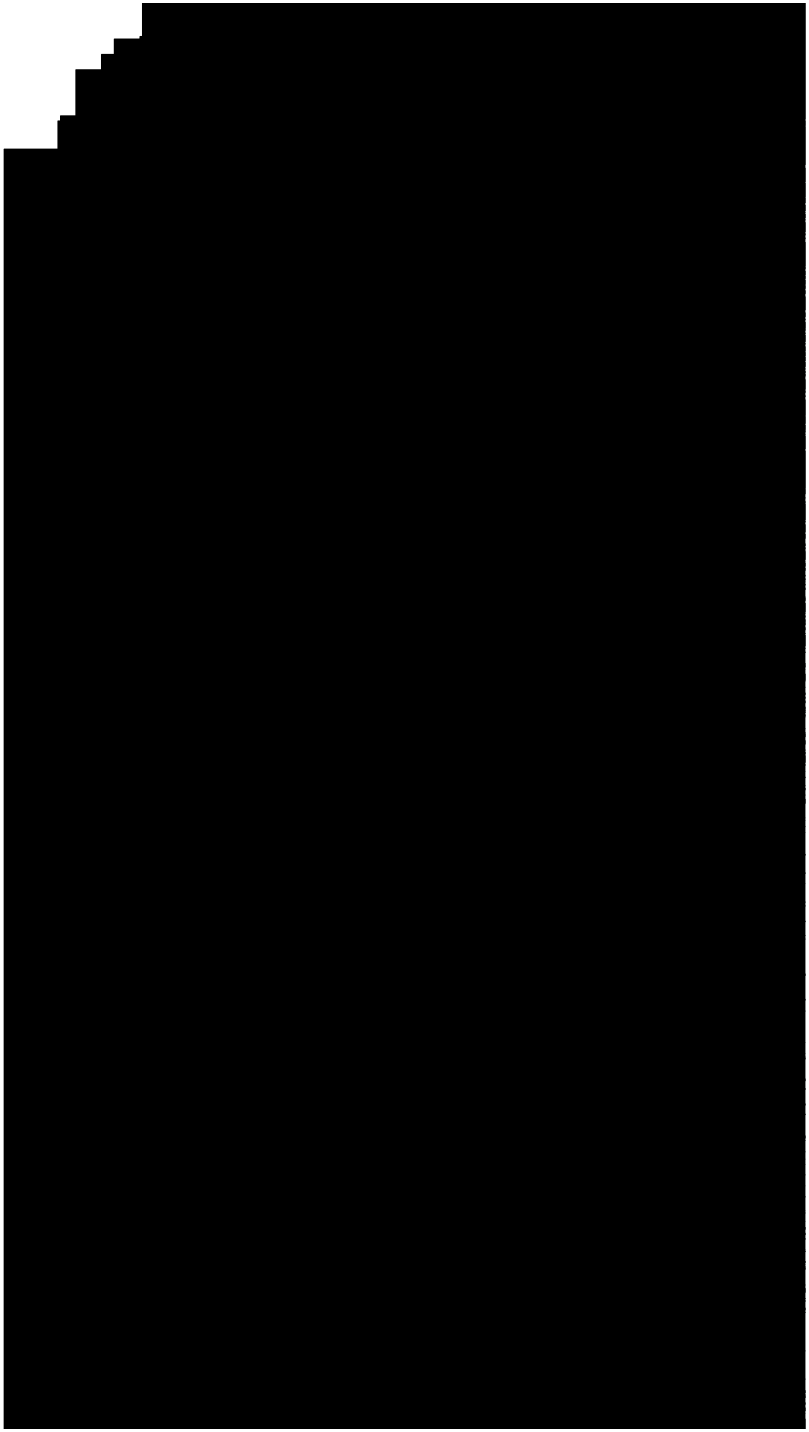


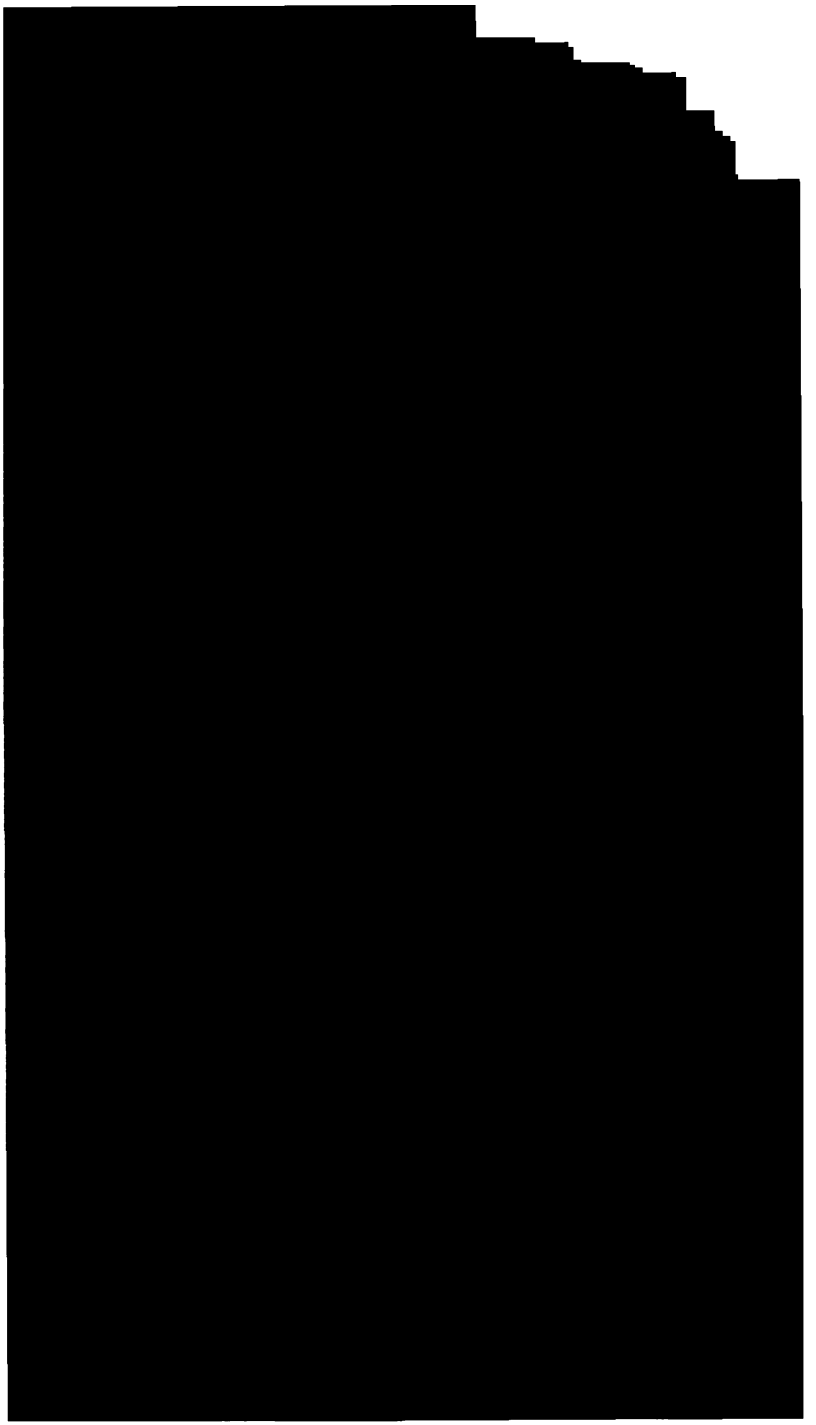


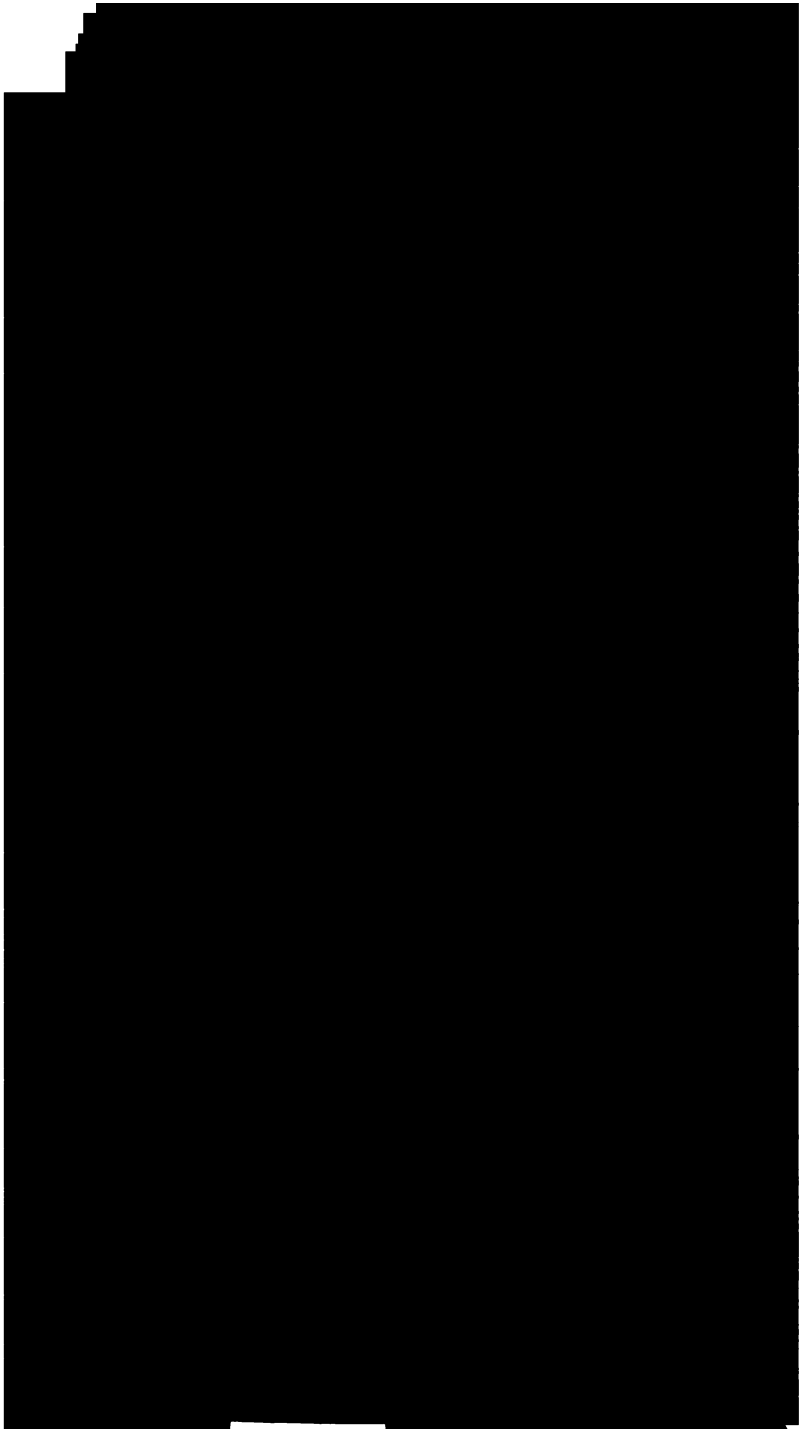


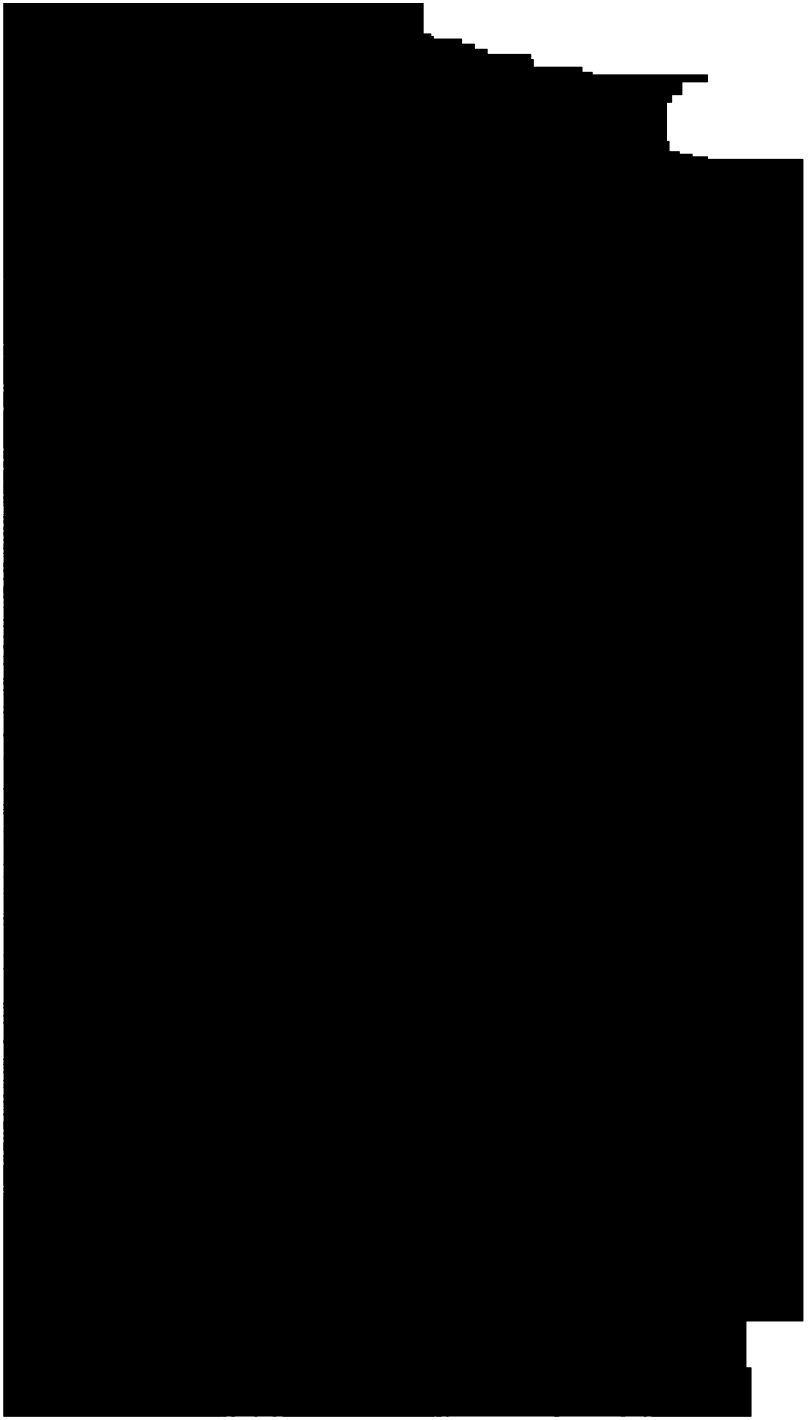


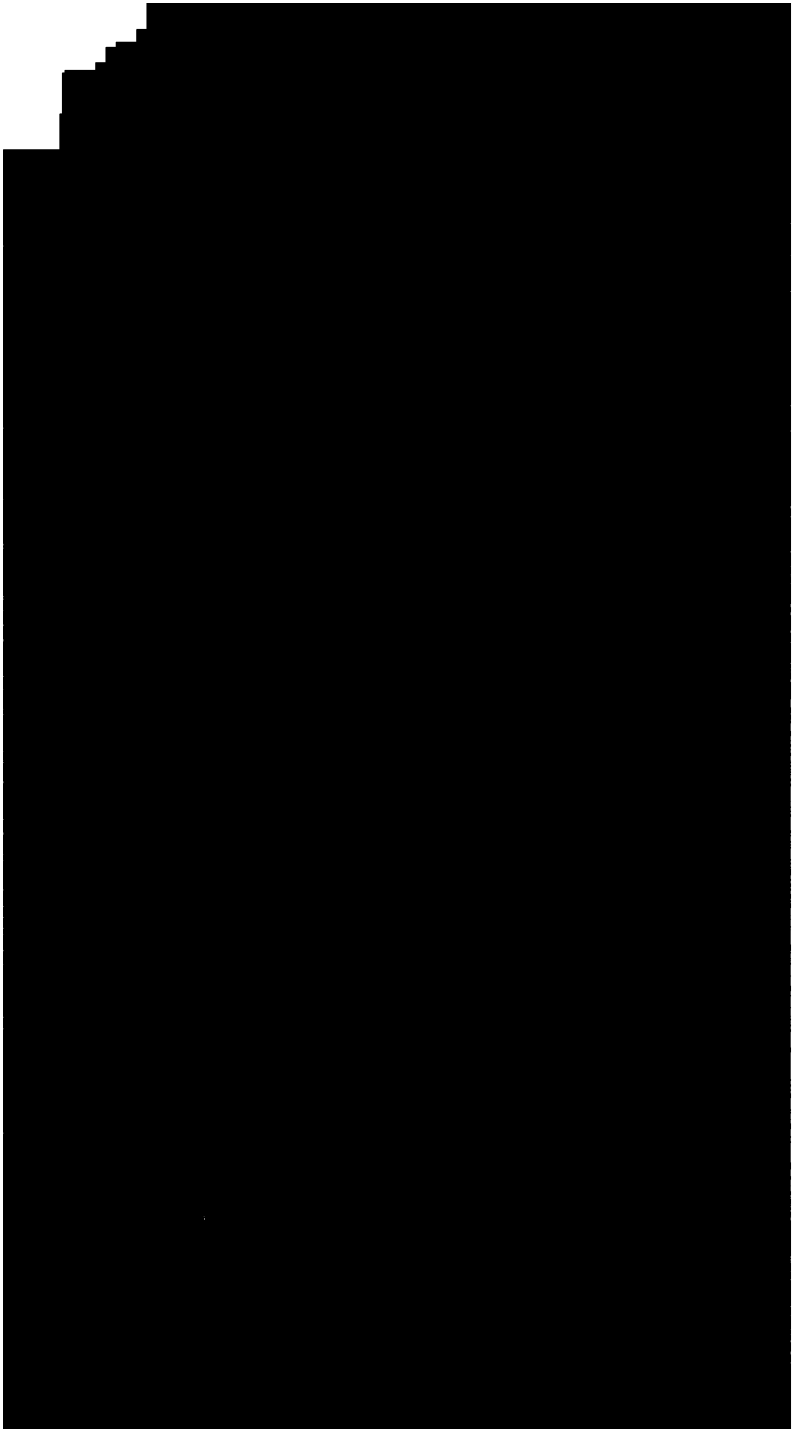


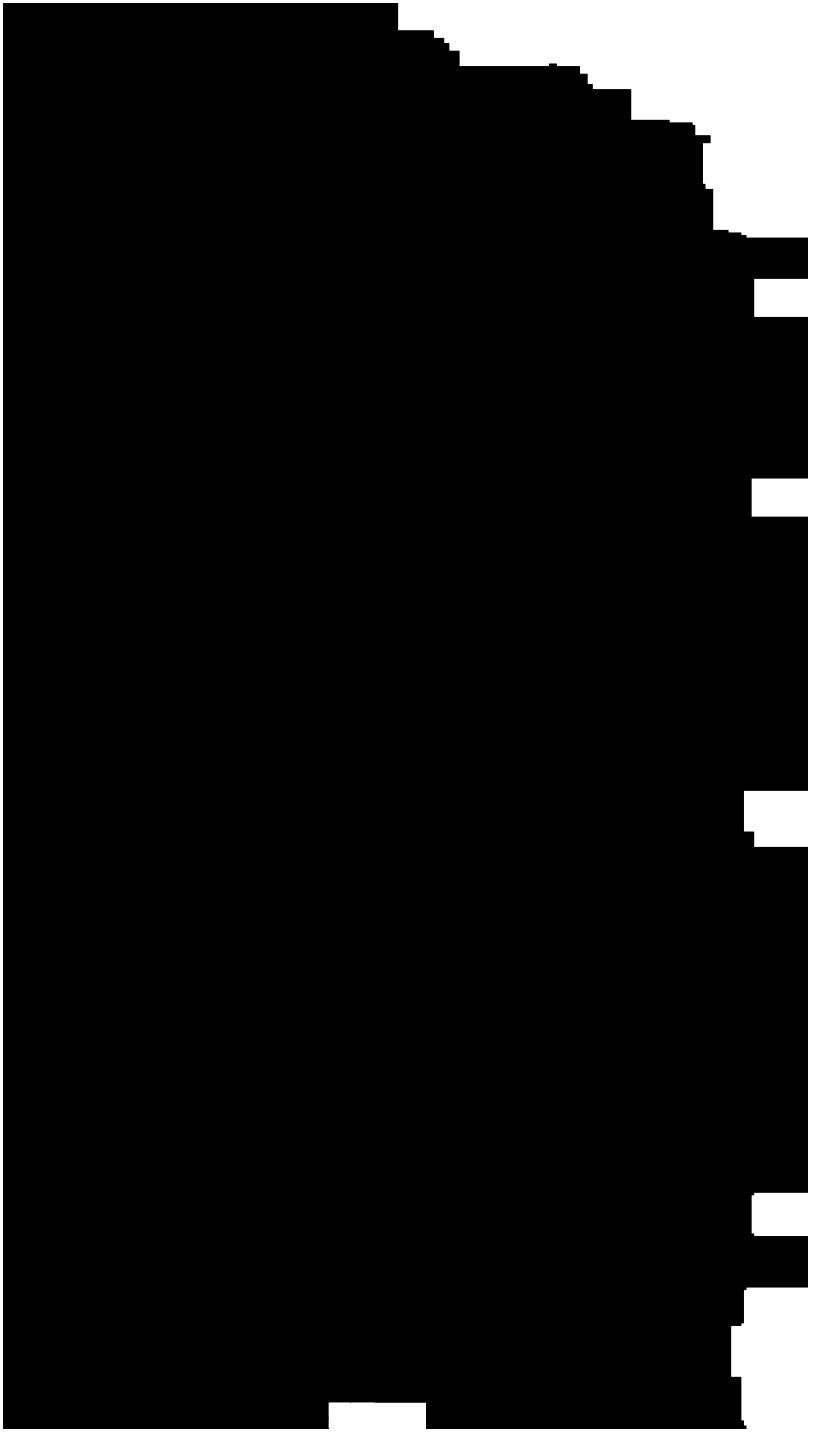


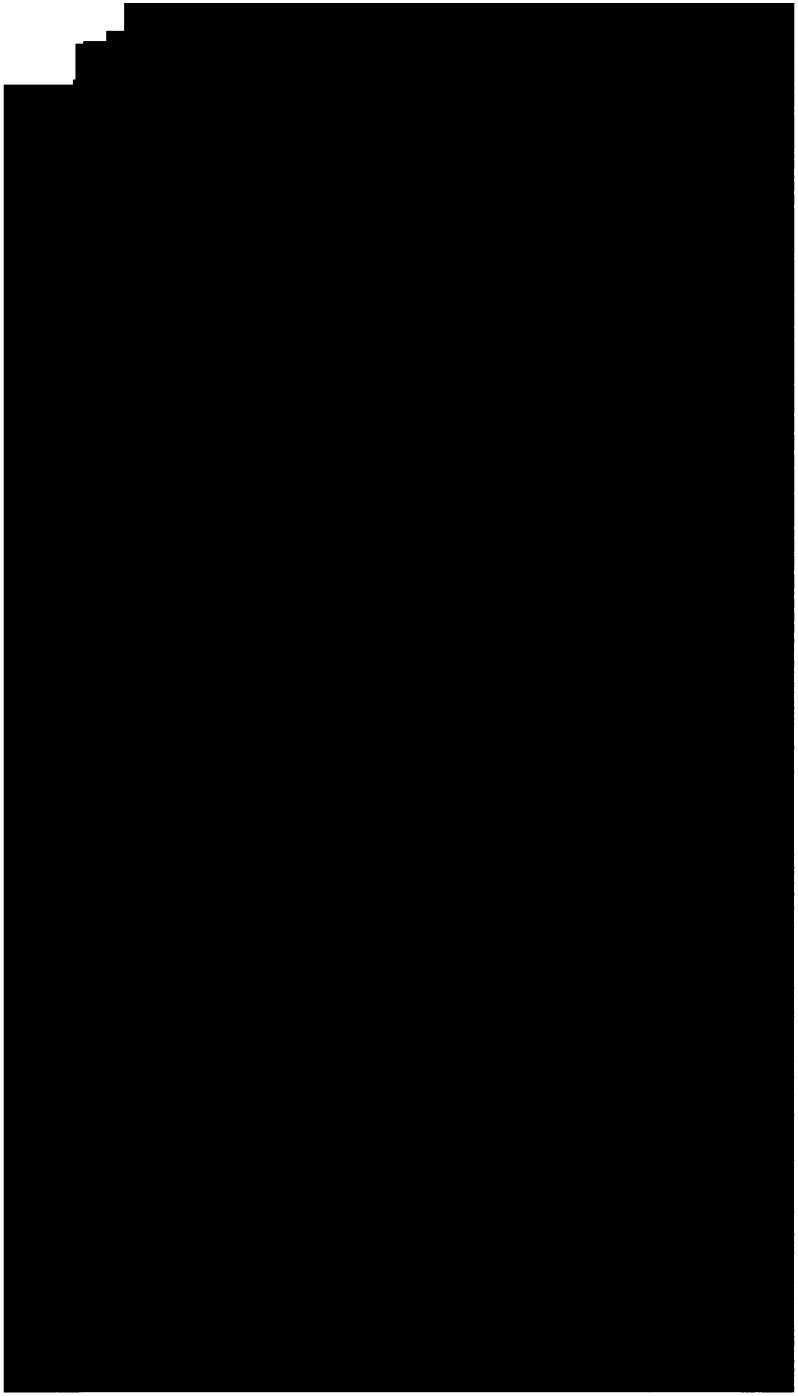












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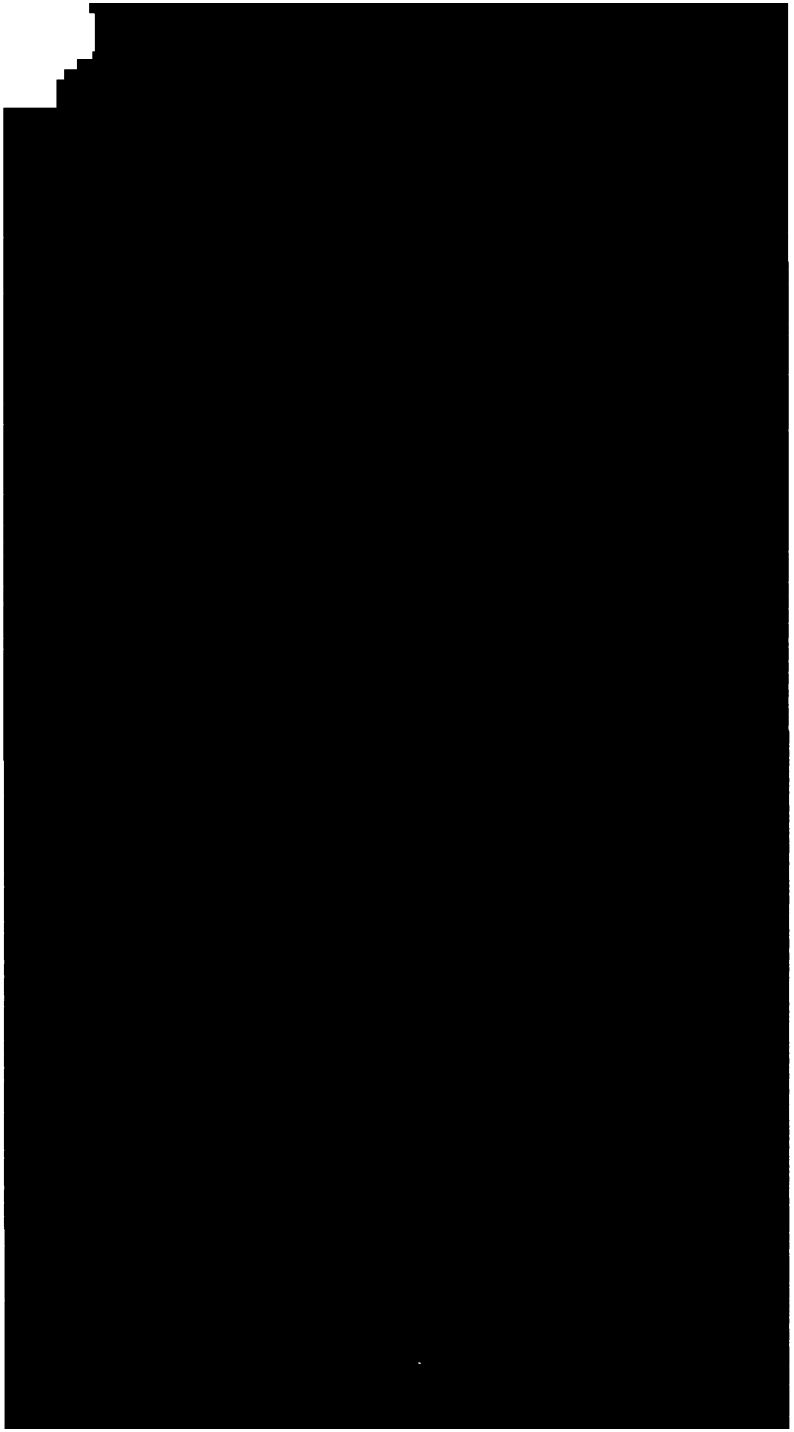

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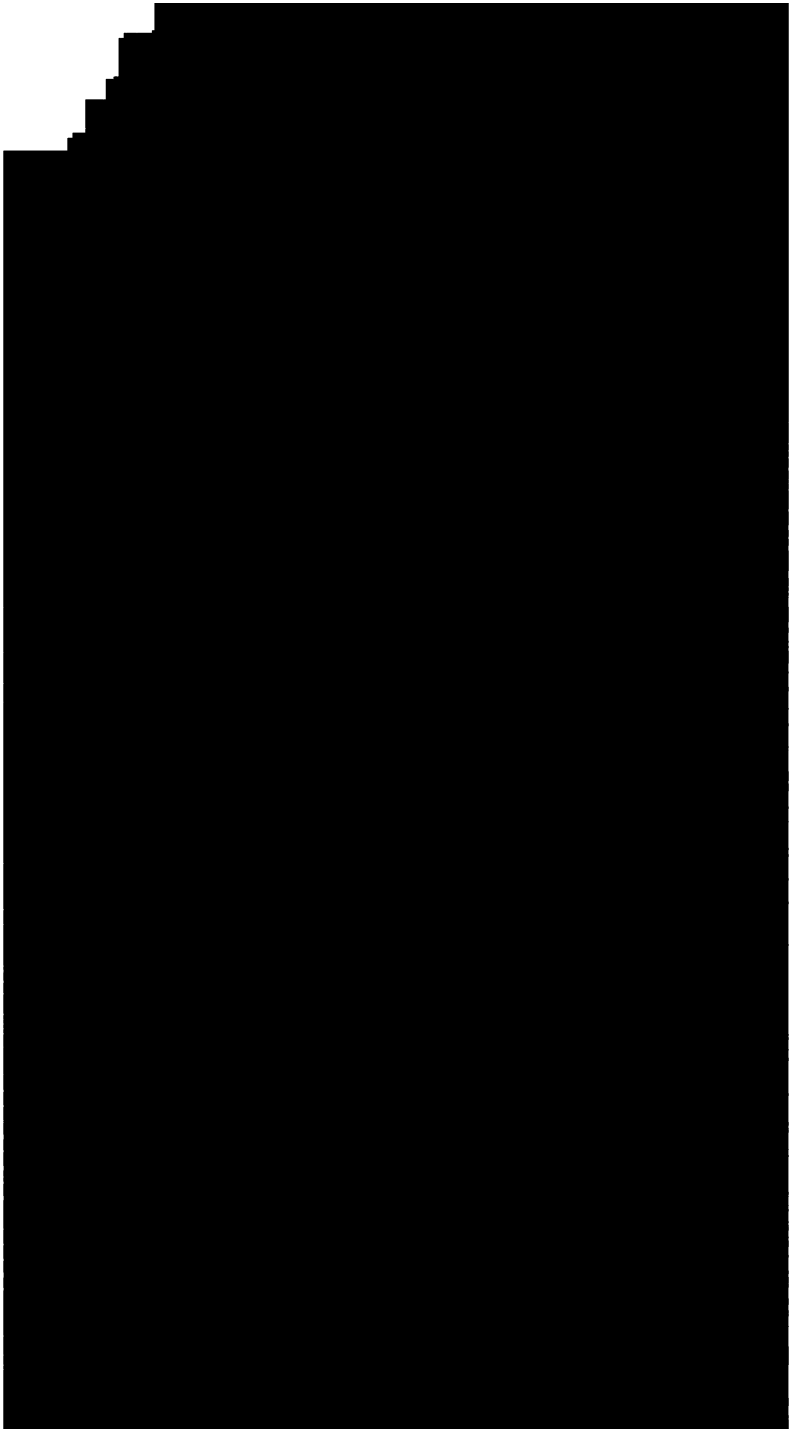

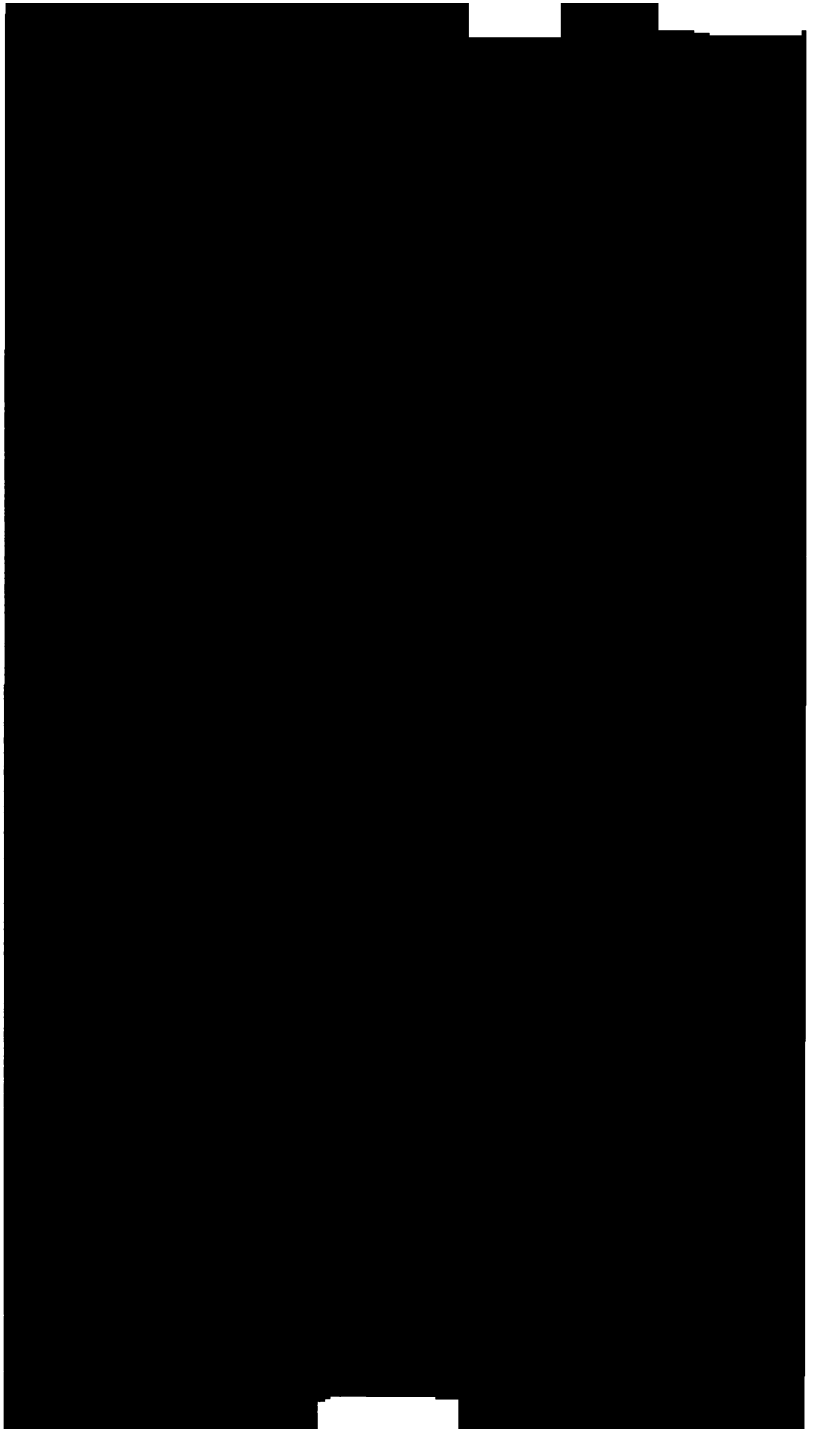

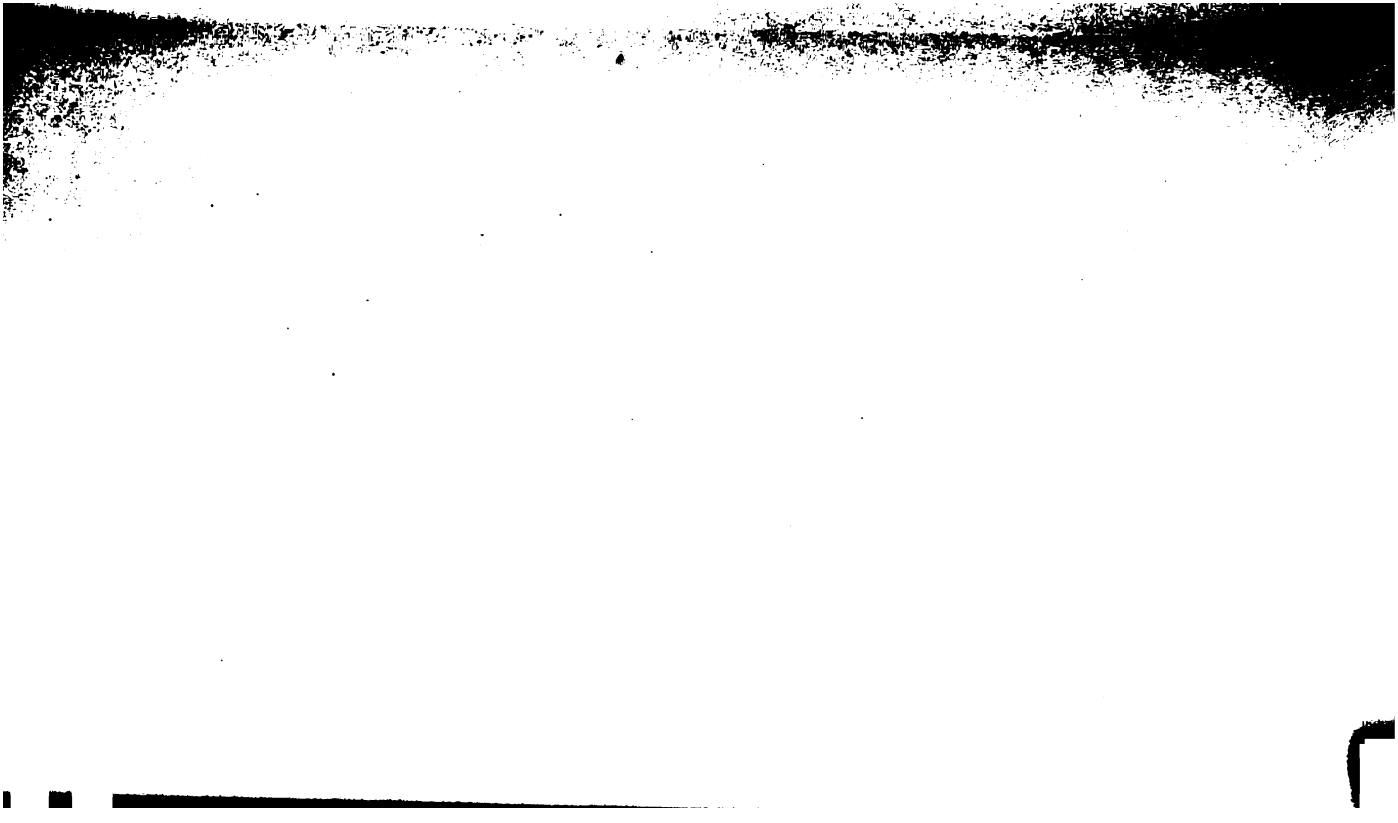

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